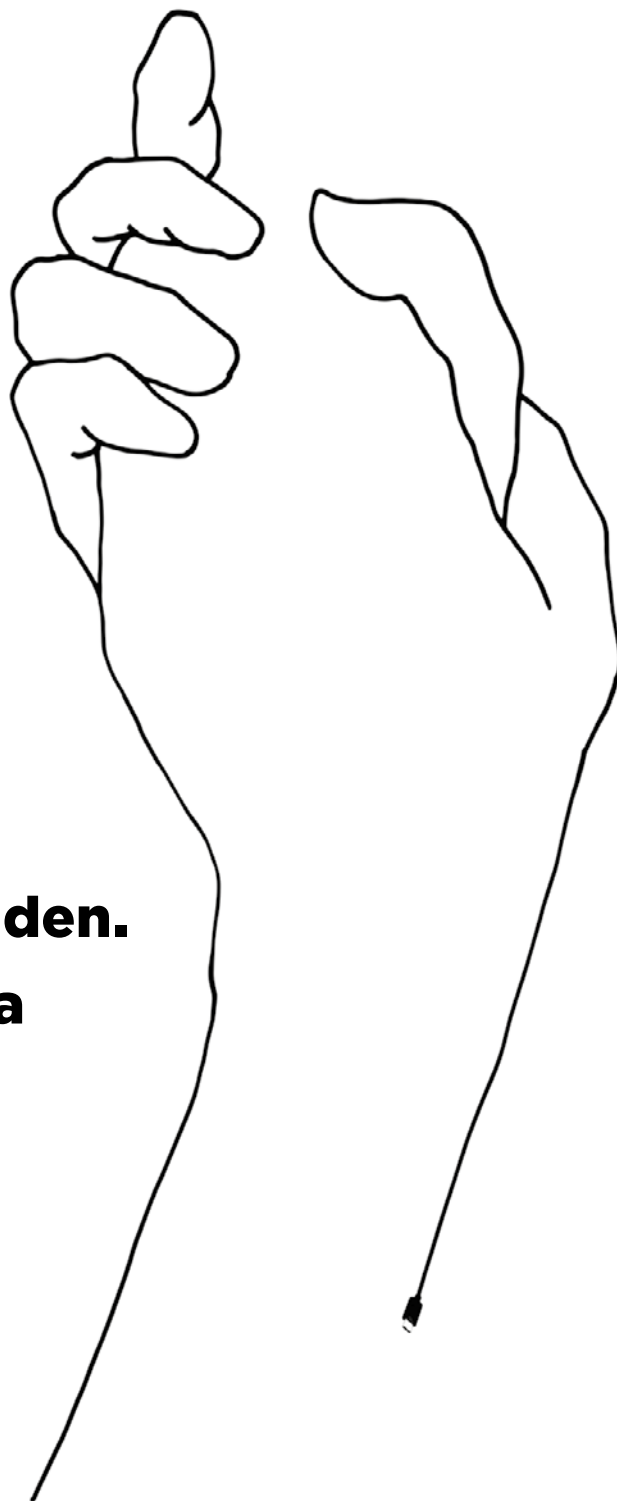




amcip

Internship Report 2019



Försäkra dig om den bästa vården i framtiden. Var med och utveckla den själv!

Cambio arbetar med att utveckla framtidens ledande och mest innovativa e-hälsolösningar. Att vi är på rätt väg visar vår snabba tillväxttakt.

Därför behöver vi nu ett stort antal nya medarbetare som kan hjälpa oss i vårt fortsatta spännande arbete med att digitalisera sjukvården. Nu söker vi 100 medarbetare inom systemutveckling som vill vara mitt i händelsernas

centrum när sjukvården tar steget in i en ny digital era.

Du blir med på en historisk resa i en öppen och dynamisk miljö med möjlighet att även arbeta internationellt. Som en bonus kan det ju dessutom kännas tryggt att veta att det är du som är med och ser till att sjukvården blir ännu bättre i framtiden. Både för dig själv, dina medmänniskor och samhället i stort.



Nu söker vi 100 nya medarbetare inom systemutveckling. Läs mer på cambio.se

CAMBIO



Vill du vara med och forma framtidens ledande och innovativa **E-hälsolösningar** till hälso- och sjukvården?

Cambio Healthcare Systems är en av nordens ledande leverantörer av vårdinformationssystem. Vi erbjuder helhetslösningar för ett stort antal svenska landsting och regioner samt danska och brittiska hälso- och sjukvården.

Vi är idag närmare 550 medarbetare globalt med olika bakgrund, kompetensområden och arbetsuppgifter som alla brinner för att utveckla E-hälsolösningar specialiserade för hälso- och sjukvården.

Regeringen vill att Sverige ska bli bäst i världen på E-hälsa inom tio år. Det är en ambition som vi på Cambio gärna ställer oss bakom. Som ett ledande företag inom området E-hälsa har vi stora möjligheter att verkligen bidra – hos oss har du chan

sen att arbeta med något meningsfullt och göra verklig skillnad.

Vi på Cambio arbetar i ett spännande gränsland mellan verklig samhällsnytta och nyskapande spets teknik. Vi brinner för att utveckla bra IT-lösningar, specialiserade för hälso- och sjukvården.

Inom Cambio uppmuntrar vi egna initiativ som bidrar till utveckling av företaget och oss själva. Just du ska ha möjlighet att kliva framåt, både som människa och medarbetare. Vi försöker skapa hög trivsel och en bra arbetsmiljö. Vi strävar alla efter att vara trevliga kollegor och hålla en öppen kommunikation och ha roligt på jobbet.

Välkommen att bli en riktig "Cambian"!

Cambio Young Professionals är ett program för oerfarna men väldigt drivna systemvetare, ingenjörer, medicinska informatiker, kognitionsvetare eller motsvarande som är intresserade av en framtid hos oss.

Martin Nielsen, Systemutvecklare

Vad och vart har du studerat?

Systemvetenskap med inriktning mot systemutveckling vid Linköpings Universitet.

Varför sökte du till programmet?

Jag tyckte att Cambio verkade som ett intressant företag eftersom de arbetar med system för sjukvården. Det vill säga, arbetar med något som verkligen gör skillnad och är till nytta för samhället. Young Professionals programmet sökte jag till då jag kände att det kunde vara en riktigt bra start på karriären och ge en gedigen introduktion till företagets verksamhet.

Vad arbetar du med idag?

Jag arbetar idag som front-end utvecklare och sysslar mest med HTML5 och Javascript programmering.

Varför är Cambio bra som arbetsgivare?

För det första är Cambio en bra arbetsgivare för att de bidrar till ett bättre samhälle genom att försöka förbättra arbetet i vården. Jag gillar också stämningen på företaget, det är högt i tak, allas idéer och förslag tas på allvar, det är enkelt att bli hörd. Alla får chansen att utvecklas och det är helt enkelt både givande och roligt att åka till jobbet varje dag.

CAMBIO
HEALTHCARE SYSTEMS



ANTAL ANSTÄLLDA

Företaget startade 1993. Vi växer kontinuerligt och är idag närmare 550 medarbetare globalt med olika bakgrund, kompetensområden och arbetsuppgifter som alla brinner för att utveckla öppna heltäckande E-hälsolösningar specialiserade för den offentligt finansierade hälso- och sjukvården. Vi finns lokalt nära våra kunder med kontor i Sverige, Danmark, England och Sri Lanka.

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FRAMTIDA JOBB HOS OSS

Vi har löpande rekryteringsbehov, för mer information se Cambios hemsida, www.cambio.se

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E-post: info@cambio.se

Webbplats: www.cambio.se

A letter from the **Editor** Sara Hillström Editor of AMCIP 2019



After a little more than a year of hard work, it was hard to believe that we were actually here when we first arrived and saw the New York City skyline. Until this day, I, together with 15 other Chalmers students, had worked countless hours to make this dream come true, and now we are here. All across North America, on different adventures that we will cherish and remember for the rest of our lives.

The one thing that all 15 of us have in common is that we decided to join AMCIP in the beginning of 2018. Making the decision to join the board of this amazing organization has not only given me the opportunity to work abroad and experience another culture, but also a year filled with challenges that I have managed to overcome together with people who through this have become good friends of mine. Joining AMCIP has given me a great experience so far, and I can only begin to imagine what this year, working and living in New York, will give me.

AMCIP 2019

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Editor: Sara Hillström

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Carl Bodin

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Erik Panzar

Jonathan Pettersson

Lisa Rooth

Mildred Sköld

Oskar Olsson

Rebecca Redtzer

Lovisa Sköld

Throughout this summer I've had the pleasure of reading through all of our members' travel reports. With students experiencing everything from working within marketing to drawing components in CAD, living everywhere from Toronto to Florida, it has been an exciting read to say the least. Other than the travel reports, you will find information about AMCIP and how to apply to the organization as well as advertisement from and information about different companies that support our cause. With that being said, I'm honoured to present you to the Internship Report of AMCIP 2019 that is in your hands right now. I hope you will find it as satisfying and inspiring to read about all of the adventures as I did!

"Getting the opportunity to be part of another work culture, including a different environment, ethics, and way of communication, is an invaluable experience that I believe will make me feel better prepared when entering the job world."

Lastly, I would like to thank all the people who have made this journey possible. The rest of the AMCIP board who together with me have worked strategically for the growth and future of our organization. The AMCIP members who have put their heart and soul into getting advertisers and support to make this catalogue possible. The different companies and organizations who are advertising and sponsoring. The companies in North America who continue to believe in us and hire Chalmers students for their once in a lifetime experience.

To all you readers who study at Chalmers and are thinking about what to do when you are done with your bachelor's: Apply, apply, apply! I promise that you do not want to miss out on an opportunity like this.

Once again, enjoy your read!

Sincerely,
Sara Hillström
Editor AMCIP 2019

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MSC, 120 CR, 2 YEARS



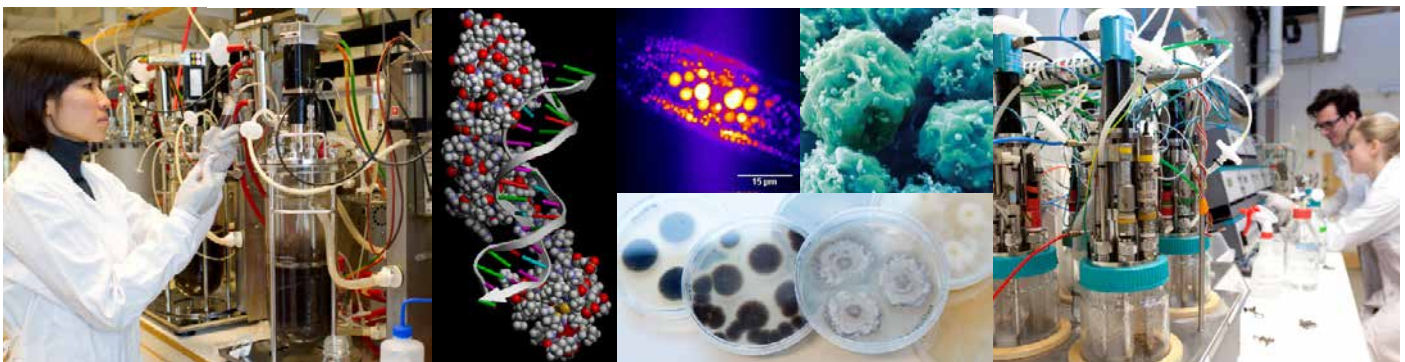
CHALMERS

The aim of the Master's program in Biotechnology is to educate skilled people for the biotechnology sector, primarily for research and development within industry and academia dealing with biomedicine, pharmaceuticals, biomaterials, food, and industrial biotechnology. The programme focuses on the interface between chemistry, biology and medicine, with engineering as a common working tool. Students gain competencies in using engineering principles in the analysis and optimisation of biological systems, and in

using integrated approaches for solving complex biotechnological problems.

The courses link to the excellent research in these areas carried out at Chalmers University of Technology and Göteborg University. MSc thesis projects are offered both at these academic institutions and in companies in the Göteborg region as well as internationally. International exchange is possible during the programme.

<http://www.chalmers.se/en/education/programmes/masters-info/Pages/Biotechnology.aspx>



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Jernkontoret

Featuring

12

Voices of support

GKN Aerospace, AstraZeneca and the principal of Chalmers proclaims their support for AMCIP 2019 and praise the international experience an internship brings

22

That trip to NYC

AMCIP 2019 travels to New York City to start their North America adventure

50

That trip to Vegas

AMCIP 2019 travels to Las Vegas for a week-end of party, fun and adventure

71

Greetings from AMCIP 2020

AMCIP 2020 sends their regards as they begin their journey to North America

INTRODUCTION

This is the magazine for AMCIP 2019 who are currently away on internships in North America. In this magazine you will be introduced to what AMCIP is, how we came about and what our purpose is.

The journey to North America starts more than a year before arriving in New York City. What AMCIP 2019 did from start to finish will be shown on page 16.

You will also hear from the members currently away on their internships about what they have done during their stay.

Finally, AMCIP 2020 says hello as we begin our journey to North America.

Enjoy your read!

Anton Stjernholm Börjeson
Editor, AMCIP 2020

18

Words from the Chairman

Magnus Rolandsson shares his thoughts on the AMCIP experience

24

Internship Placements

A map of where all the members of AMCIP 2019 live and work

CONTENTS

08

About the program

Information about AMCIP

16

The year of AMCIP 2019

The journey of AMCIP 2019 to North America

TRAVEL STORIES

26

Hiking and eating our way through Canada!

Elinor Zacharias and Ella Dehn
Burlington, Canada

46

West Coast, best coast! Living my best life in San Francisco

Oskar Olsson
San Francisco, California

62

Life is better at the beach

Rebecca Redtzer
Fountain Valley, California

32

Truck development in the Gate City

Carl Bodin
Greensboro, North Carolina

52

Stepping out of the comfort zone so called Sweden to explore and experience USA

Jonathan Pettersson
Richburg, South Carolina

56

North Carolina, the state of opportunities

Erik Panzar
Greensboro, North Carolina

68

From the rainy Gothenburg to sunny California

Lisa Roth
Irvine, California

72

Thank You

AMCIP 2019 wants to thank the hosting companies, supporting organizations and financial contributors for making it all possible

74

Index

List of all the companies who contributed to AMCIP 2019

36

Welcome Onboard

Amanda Bergström and Lovisa Sköld
Miami, Florida

58

From one West Coast to another

Mäns Medin and Mildred Sköld
Fremont, California

42

Living our best life in closet-sized rooms in the city of dreams

Sara Hillström and Magnus Rolandsson
New York City

28

Toronto - the city of amazing food and great people

Isabella Ahl
Toronto, Canada

About the program



American Canadian Internship Program

Chalmers recommend students to get at least 17 weeks of industrial training before graduation. By working as interns in North America, the students of the AMCIP will be able to complete a great portion of that time and many will even extend that time by far. There is also an added value in the experiences gained by working in an international environment. It promotes the opportunity to improve the student's ability in communicating in another language while developing professional skills within their field of engineering. They also contribute to maintaining important relations between different cultures and countries.

In June of 2019 the members of AMCIP started their internships at different companies in the US and Canada. The duration of the intern-

ships stretches from eight weeks to a year. The hosting companies vary greatly in size and area of business and the work assignments also vary depending on the intern's fields of study. If you are eager to learn more about the students and their internship experiences in North America, read the students reports throughout the magazine.

Our organization, which has existed for more than 50 years, consists of 15 students at Chalmers University of Technology of which 9 are members and 6 are board members. The board is responsible for the overall management of the organization in addition to the specific tasks for each position.



- **The chairman** has the overall responsibility for the program and handles the Visa application process.
- **The treasurer** is responsible for the bookkeeping and finances.
- **The internship coordinators** find and contact host firms in America and arrange interviews between the parties.
- **The sales manager** arranges and organizes the members sales of advertisements.
- **The editor** is responsible for managing the website and creating posters as well as designing and editing this annual Internship Report.

The members contribute by selling advertisements in this Internship Report. Through this the members learn how to establish and maintain professional contact with company representatives and practice their selling skills.

This summer, the whole experience started with a fantastic weekend in New York City. A perfect way to kick off the year and have some fun with all the members before everyone leaves for their respective jobs across the continent.

All in all, we, the members and board members of AMCIP 2019, are extremely grateful for having this opportunity and we would like to extend our gratitude to the companies and organizations that have made this possible. We hope that this Internship Report will inspire and encourage other students to aim for internships abroad and that you also want to become a part of our team and take this once in a life chance for an amazing experience!

Sincerely,
AMCIP 2019

How to apply

Students from AT, Bt, K, Kf, I, M, TD, V and Z at Chalmers University of Technology who will have at least 150 credits and has completed their bachelor project before traveling to North America can apply. Please visit our website or contact us for more information.

How to support the organization

Do you want your company's name in this magazine or on the website? Do not hesitate to be a part of our journey and to show your company to the students of Chalmers University of Technology and other Swedish universities.

Contact: contact@amcip.se

Website: www.amcip.se



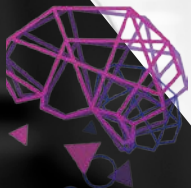


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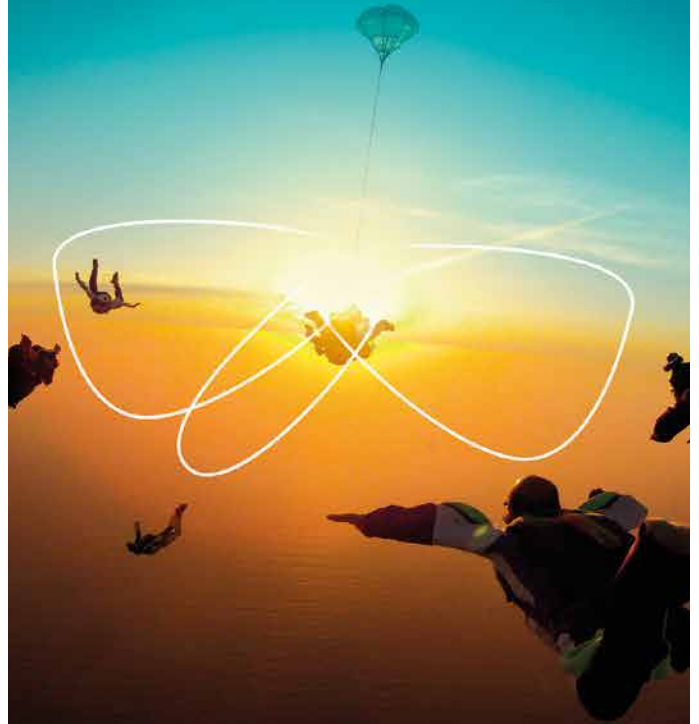
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INHOUSE TECH

TRE OMRÅDEN ATT VÄXA MED!

Oavsett tjänst hos oss har vi ett enkelt och tydligt arbetssätt, där vi arbetar långsiktigt för att försäkra oss om projektets och kundens framgång såväl som vår egen. Detta ihop med spetskompetens och lång erfarenhet ser vi som vårt framgångsrecept.

INHOUSE TECH INFRA

Här arbetar vi med projektering och konstruktion av industri- och anläggningskonstruktioner som broar, tunnlar, hamnanläggningar, industri-fundament och fundament till vindkraftverk. Vi har specialkompetens inom avancerade temporära konstruktioner som spjorter, fängdammar och saltamurar. Vår breddkompetens ligger i framkant inom dynamiska analyser och temperatursprickanalyser. Våra huvudområden:

- Projektering
- Konstruktion, permanent och temporär
- Granskning
- Klassning och bärighetsbestämning
- Temperatursprickberäkningar
- Dynamiska analyser

INHOUSE TECH PROJEKT

Här tar vi kontroll över samtliga skeden i ett projekt i fastighets-, industri- och infrastrukturprojekt. Våra nätverk av långsiktiga strategiska allianser samt mer kortstiktiga projektallianser ger oss kapacitet att leda projekt av betydande omfattning. Våra huvudområden:

- Projektleddning
- Projekteringsledning
- Bygglösning och kontroll
- Kalkyl och ekonomistyrning
- Kvalitets- och miljöstyrning
- Myndighetshandling
- Riskanalyser

INHOUSE TECH GEOTEKNIK

Vårt kunskapsfält ligger inom geoteknisk konsultation i entreprenad, planering och projekteringsskeden.

Vi utför dimensionering av geotekniska konstruktionslösningar, utredningsuppdrag och utarbetar projektanpassade lösningar och arbetsberedningar. Våra huvudområden:

- Geotekniska fältundersökningar
- Geotekniska utredningar i projekterings- och entreprenadskeden
- Geoteknisk konstruktion såsom grundläggning, jordförstärkning, stödkonstruktioner, jordinjektering, grundförstärkning m m
- Geoteknisk kontroll och uppföljning i entreprenadskedet
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Whether we are designing and engineering new solutions for our customers or manufacturing and delivering finished products on time and to the highest quality, we succeed because of the skills, knowledge and talent of everyone who works here. Combined with passion and strong international experience, we have the key factors to be successful in our industry. Therefore we proudly support AMCIP2020!

Joakim Andersson
CEO, GKN Aerospace Engine Systems

Voices of support

Katarina Ageborg
CEO of Astra Zeneca



AstraZeneca is a global, science-led biopharmaceutical company that focuses on the discovery, development and commercialisation of prescription medicines, primarily for the treatment of diseases in three main therapy areas – Respiratory and autoimmunity, Cardiovascular and metabolic diseases, and Oncology. We are also active in inflammation, infection and neuroscience through collaborations. AstraZeneca operates in over 100 countries and its innovative medicines are used by millions of patients worldwide. Research is the key to the success of AstraZeneca and in 2018 the company spent 5.9 billion USD on research and development.

AstraZeneca has sales in more than 100 countries, manufactures in 17 countries and employs some 64 600 people worldwide, of which 8 400 work in R&D.

AstraZeneca aspires to become one of the best and most respected pharmaceutical companies in the world. Skilled and enthusiastic employees with international experience are essential to achieve this and therefore we fully support AMCIP 2019.



Voices of support

Stefan Bengtsson
President of Chalmers



At Chalmers our vision, Chalmers for a sustainable future, permeate all our activities. This requires us to be both locally and globally connected and engaged. As a consequence, international networking, collaboration and exchange are key priorities in education, research and innovation.

Chalmers alumni will have their future careers in diverse and internationally connected companies and organizations. Hence, developing and supporting activities providing Chalmers students with international outlook and experience as an integrated part of their Chalmers education are essential.

AMCIP 2019 is a student led and organized activity providing Chalmers students the possibility to gain international and industrial experience through an internship period at a company in the US or Canada.

The organization committee need support from companies and other organizations to make the program a continued success. The program is an important factor in providing opportunities for international experience to Chalmers students and I fully support AMCIP 2019 program.

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och växla ut potentialen i den senaste tekniken.

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Ingemar Johansson.

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The year of AMCIP 2019





Words from the **CHAIRMAN**

Magnus Rolandsson

Chairman of AMCIP 2019

Even before I applied for Chalmers, I knew that I wanted to study or work abroad at some point in my life. Now here I am, several years later and I am not sure if it's quite what I expected. Actually it's not, it is so much better than I had expected. In hindsight I am also very glad that I opted for the opportunity to do an internship in the US instead of going abroad to study.

I believe that doing an internship is a far more immersive experience than an exchange semester, as you get to experience the authentic local culture at your workplace as well as in your spare time. Being one out of two Swedes in my case, forces you to explore your new city, get to know new people and be more adventurous compared to being able to rely on your exchange student peers. Though studying abroad surely is a valuable experience, at the core it is very similar to what we do at Chalmers, only in a new environment and possibly in a new language. An internship on the other hand is something completely different - a chance to apply the knowledge you have acquired from Chalmers, in practice.

Before I came here, I was slightly worried that the skills I had gained (or lack thereof) might not meet the expectations of my seniors, and that I would struggle adapting to a new environment. After two months in New York City I can reassure you that Chalmers students are truly capable and



appreciated by our American hosts and that our knowledge is highly applicable. They praise that all AMCIP interns receive is truly a testament to the high level of education that Chalmers offers. It is also the main reason that we have managed to build relationships where many of our partners have hosted Chalmers interns several years in a row.

Given that your degree at Chalmers gives you a great foundation to build on, there is so much to learn during your internship in North America. With the great reputation that Chalmers, AMCIP and previous interns have built up in throughout the years, the interns are given a lot of responsibility. The amount of responsibility that each intern is given in solving real engineering problems for at their internships is immensely rewarding and developing and an opportunity that is hard to find through an exchange semester, for example. Talking about AMCIP's history, we have been around for 56 years, and in that time over 1700 Chalmers students have travelled across the Atlantic Ocean to their internships in North America.

It is to this day a very active community with yearly meetups, and a lot of the alumni stay in touch with each other and with the organisation. We are very thankful for our alumni as they constantly carry on the AMCIP legacy and create opportunities for coming generations of interns.

I would like to mention that being a member of AMCIP is not only about going to North America for an internship. A great part of the journey is the year leading up to the internship. I, as chairman have grown as a person and learned a lot about leadership, communication, planning and much more, and I am certain that all my fellow AMCIP members have developed too, all

in their own way. I would like to extend my sincerest gratitude towards both our Swedish sponsors, everyone who have supported us and all the host firms in North America. You have all made our dreams of an internship in North America possible, and you make sure that AMCIP continues to succeed in the future.

Finally I would like to thank my fellow AMCIP members. Without you, this journey would not only have been impossible, but also a lot less fun. I have experienced a lot of great moments (and some less memorable) during my year as chairman. The group that in the the beginning were all strangers to me, I now consider as great friends of mine. Friends that I am honoured and excited to visit, hang out with and experience North America with.

"During my year in the board I have been surprised by how many of the alumni I have been in touch with, both on purpose and completely by chance. It is interesting to see where our alumni end up after their degree and it is not unlikely that I will meet a few of them in the future, working as an engineer. Some of our alumni even made the big move to North America permanently and that has helped us get access to new interesting internships, through their dedication to AMCIP."

Tillsammans med våra kunder, skapar vi ett säkert och hållbart vatten

Läkemedel



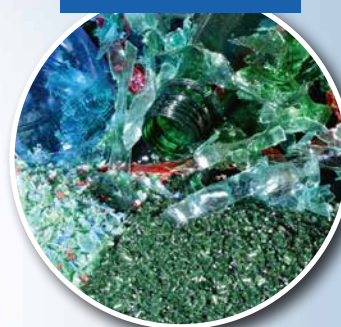
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Vår långa erfarenhet av att leverera processvattenlösningar med bästa tillgängliga teknologi, i många fall baserade på egenutvecklade unika processer, är därmed alltid anpassade till industrins specifika behov.

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- *Mimer-VA*, ett verksamhetssystem för hantering av dokumentation, planering och uppföljning av VA-verksamheten, tex kvalitetsuppföljning och miljöledning.

That trip to NYC

To start the year abroad off in the best way possible we decided to begin with a fun weekend in New York City. For a few days we explored the city and what it has to offer, doing everything from touristy stuff such as going to Times Square and the Empire State Building to getting lost in Brooklyn. It was really rewarding to get to kick the year off together as the team that we had formed during our year in Sweden!





Internship Placements

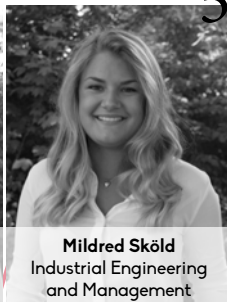


Oskar Olsson
Civil
Engineering

Monte Stott & Associates, San Francisco



Måns Medin
Mechanical
Engineering



Mildred Sköld
Industrial Engineering
and Management

ALOM, Fremont



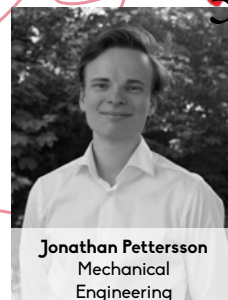
Rebecca Redtzer
Civil
Engineering

PACE, Fountain Valley



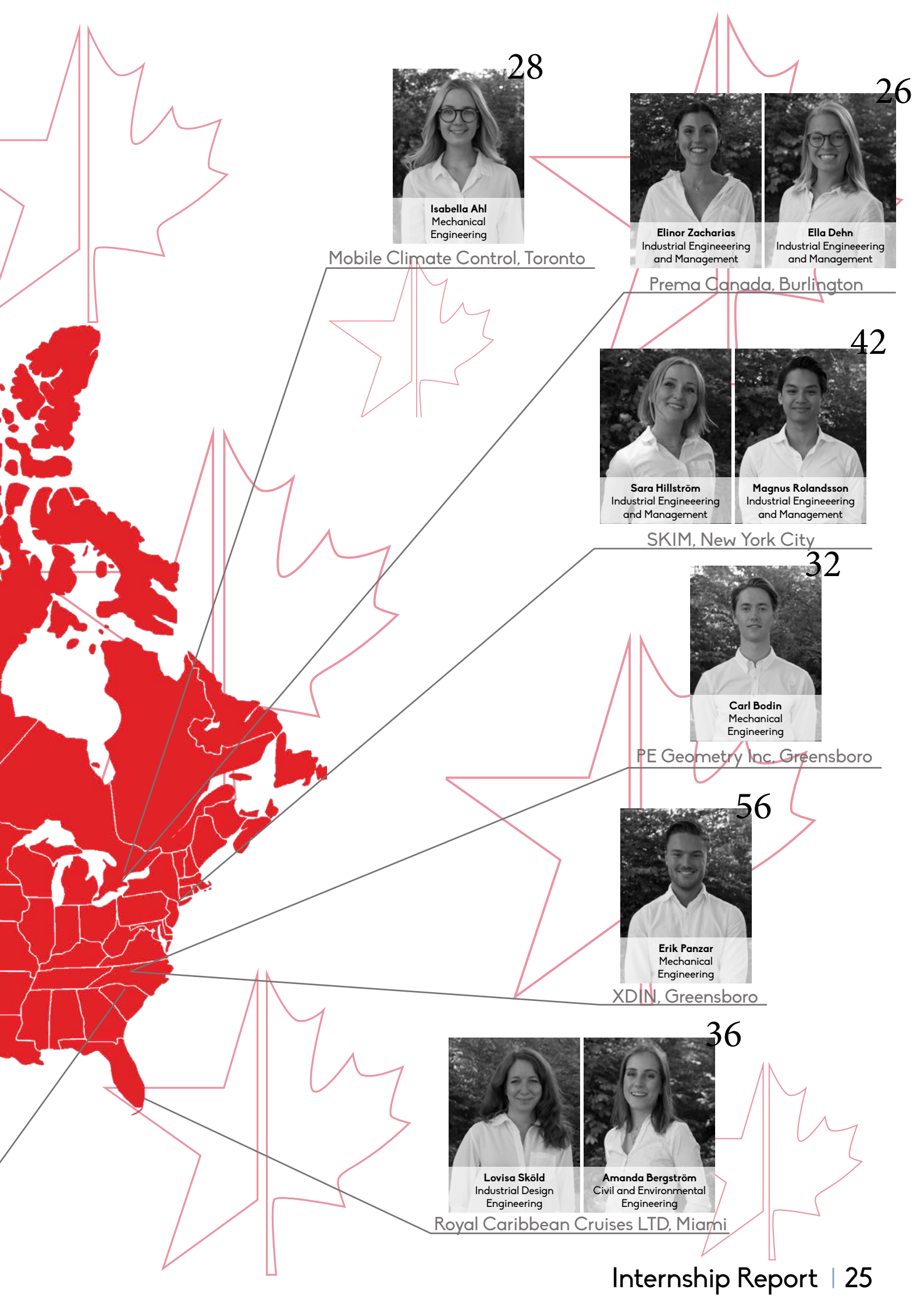
Lisa Rooth
Industrial Design
Engineering

GoToMarketUSA, Irvine



Jonathan Pettersson
Mechanical
Engineering

Outokumpu, Richburg



28



Isabella Ahl
Mechanical
Engineering

Mobile Climate Control, Toronto

26



Elinor Zacharias
Industrial Engineering
and Management



Ella Dehn
Industrial Engineering
and Management

Prema Canada, Burlington

42



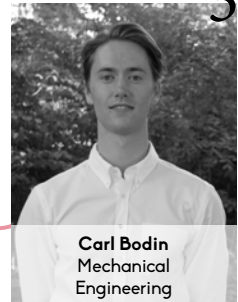
Sara Hillström
Industrial Engineering
and Management



Magnus Rolandsson
Industrial Engineering
and Management

SKIM, New York City

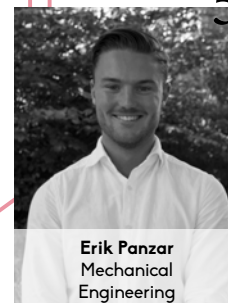
32



Carl Bodin
Mechanical
Engineering

PE Geometry Inc. Greensboro

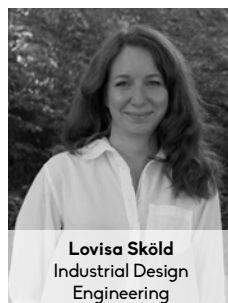
56



Erik Panzar
Mechanical
Engineering

XDIN, Greensboro

36



Lovisa Sköld
Industrial Design
Engineering



Amanda Bergström
Civil and Environmental
Engineering

Royal Caribbean Cruises LTD, Miami

Hiking and eating our way through Canada!

Together we, Elinor Zacharias and Ella Dehn, are two out of three interns experiencing the Canadian part of North America. None of us had been to Canada before so when we got the job offers at Prema Canada we were, as you can understand, filled with excitement! Our experience so far has been a lot of fun, and we have learnt a lot through our internship but also by exploring the country.

Prema Canada is a car retail and tire distributor with headquarters in Burlington, the most welcoming little city about 30-45 minutes' drive from downtown Toronto. The offer includes our own apartment as well as a car, something we are beyond grateful for. The apartment is located about 20 minutes' walk from the boardwalk of Lake Ontario and downtown Burlington, and the area offers a various number of restaurants and coffee shops. So far we have experienced live music and different festivals here almost every weekend during the summertime! Something both of us noticed right away was how friendly people are here. Saying hi to a random person on the street or even striking up a conversation with one, is not an uncommon thing, which makes us feel very welcome!

Burlington is a nice contrast to the higher pace downtown Toronto, which we also love! Besides from taking the car downtown, you can also go by train which is very convenient. Toronto is one of the most multicultural cities in the world, which is really cool and the city offers tons of different events. Thus, whatever you are into you can almost always find something tailored to your satisfaction. The city centre is pretty concentrated but there is tons of variety, you can walk through Chinatown and before you know it you have stumbled into one of the more hipster neighbourhoods (we named it Toronto's Majorna!).

One of our favourite areas in Toronto so far is Kensington, where there is an outdoor festival with live music, second-hand sales etcetera every weekend during summertime. It also has a little Swedish cafe called Fika so whenever we get homesick that's the place to go! Of course, there are a lot of other restaurants as well and if you know us, you would not be surprised when we say that we have been exploring that area quite a bit... :-)





During our time here we have used the car very generously, taking road trips and exploring the beautiful nature by doing lots and lots of hikes around and outside the Toronto area. It is amazing how much the country has to offer, and we are so glad that we got to start our internships in summertime to be able to explore (we have been getting warnings about the very cold winter weather...). However, we still have our hopes up thinking that the Canadian winter can't be that much worse than Swedish ones, right?!

Back to our responsibilities at work - they vary a lot and we have flexibility and freedom in designing our own projects together with the CEO, Head of Sales and the Controller of the company. What we don't know at the beginning of a project, we get time to learn along the way. So far we have done projects to increase efficiency through automating previously manual processes. This includes doing work in programs like Excel, Power BI and other software systems. It's a fun job where you learn a lot, and we are grateful to Prema for giving us this opportunity to learn and develop.

On our next Canadian adventure we will take a 10 hour train ride northeast to Montreal, the French speaking part of Canada. We've heard it's a beautiful city and are excited explore further!

Prema Canada

Employees: 30 | **Hosting Interns since:** 2013 | **Area of Business:** Tire repair supplies | **Website:** www.premacanada.ca

Elinor Zacharias

Born: 1995 | **Present education:** B.Sc. Industrial Engineering and Management | **Future plans:** Continue to explore the beauty of the unknown. | **Best memory:** First time doing the amazing hike down by the Niagara Falls. | **Worst memory:** Realizing that the majority of Canadians have never heard about Halloumi.

Ella Dehn

Born: 1996 | **Present education:** B.Sc. Industrial Engineering and Management | **Future plans:** Explore Canada and the US' beauty and culture to the fullest. | **Best memory:** All the fun music and food festivals we've been to. Yum! | **Worst memory:** First time I hit the 6 lane highway realizing it was nothing like E4an...



Toronto - the city of amazing food and great people

Exploring Toronto, one of the most multicultural cities in the world, is like exploring different cultures around the world collected all at the same place. Even though Toronto is Canada's biggest city it never feels stressful and overcrowded but always very welcoming and warm, mostly thanks to the people living here. Canada has a lot to offer and my time here so far has been busy in the best possible way.

At the time of writing this, I have been living in Toronto for about two and a half months. What I have learned about the city so far is that there is always something going on, people here are very friendly and the food is amazing. The cause of the three things I just mentioned is probably the presence of all of the different cultures in the city. There are restaurants, stores and festivals everywhere in the city with influences from all over the world. A few weeks ago I went to a Caribbean festival called Caribana with my friends. People were dancing in the streets dressed in beautiful costumes and it was a lot of fun.

Even though the food is amazing, and would be reason enough to visit Toronto, that is not why I am here. I am working at a company called Mobile Climate Control (MCC), who develops heating, cooling, ventilation, air conditioning and refrigeration systems for commercial vehicles. The company was founded in Sweden but is today a worldwide company with locations all over the world. I am a part of the Testing Department and work together with a group of five other people. In a big climate chamber, that can create temperatures from -40°C to $+60^{\circ}\text{C}$, anything from busses to military vehicles are being tested. I spend most of my time working on a project where I am making a wind tunnel automated together with other test engineers. Everyone at MCC is very helpful and I have felt welcomed from the start.

When I am not working I spend most of my time with my two roommates. We live in an apartment not too far from downtown, with an amazing view of Toronto's skyline. My roommates and I have a lot of fun together and we are always up to something. My first weekend here we celebrated a mix of Midsummer and Canada Day together with their Canadian friends and two other AMCIP interns.





Together with my friends I have also been to different festivals, enjoying the warm weather at the beach, paddle boarding at Toronto Island and trying out new restaurants.

I have also explored other areas of Canada like Montreal and Quebec City in the Province of Quebec. Both of the cities are beautiful and have old parts that remind me a lot of Europe, which might not come as a surprise since Quebec City used to be first a French and then a British colony. Out of the two cities, Quebec City is my favorite. The city is located on a hill overlooking the Saint Lawrence River which creates a stunning view. It

was such a cozy and calm city and I had a great time there. I only spent one day there but I would love to go back.

So far, my time here in Toronto has been great. I am very grateful for the opportunity to work as an intern at MCC and I would like to thank my boss Chad and all of my colleagues for making it possible. I am also grateful for the friends I have made and the people I have met. Without them, my time here would not be the same. I look forward to the rest of my time here and I am very excited about what is to come!

Mobile Climate Control

Employees: 480 | **Hosting Interns since:** 2009

Area of Business: Commercial vehicles HVAC systems

Website: www.mcc-hvac.com

Isabella Ahl

Born: 1995 | **Present education:** B.Sc. Mechanical Engineering

Future plans: Starting my master studies at Chalmers.

Best memory: Doing stand up paddle boarding on Toronto Island.

Worst memory: Realizing I would have to pay to do laundry.





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Truck development in the Gate City

As the last big city before the Appalachian mountain ranges in the west, the city of Greensboro got its nickname "the Gate City". Within a couple of hours drive you have a lifetime supply of stunning views and wildlife hikes up in the state parks and national forests of North Carolina. But then what is there to do in the Gate City? Not much, so you might as well pass through it. Greensboro is located in the center of the state, which creates an opportunity for a lot of exciting traveling. Apart from the mountains in the west you find the Outer banks to the Atlantic ocean in the east, preserved tropical cities with a lot of history in the south and the capital of the US in the north.

My name is Carl Bodin and I am in Greensboro for a six months long internship at the company PE Geometry Inc. PE Geometry Inc is a small and young company founded in Gothenburg and has no more than three offices in total. In Greensboro, we are consultants hired by Volvo Trucks Technologies and work with a project developing their upcoming generation of truck cabs. What we do is geometry assurance, which basically means suggesting design on parts and their associated fixation to achieve the best geometry possible. A well designed geometry lowers the possible outcome of variation during the production, assembly and measuring processes later in the manufacturing plants. As where we are now in the project, an average day for me consists of updating 3D

computer models, attend meetings with Volvo engineers and calculate requests on various interfaces.

One great thing which I did not expect when crossing the Atlantic ocean was the instant connection and welcoming invitations to various events and activities from all the people here. I would describe the group of people here as a small community, or one big family. Through the week they schedule multiple sport activities which all have a great number of participants. Since I love sports I could not have come to a better place. Amongst these activities we have soccer Tuesdays, afterwork Wednesdays, ultimate frisbee Thursdays and floorball Fridays. And on top of this, you can find most of the people gathering at one of the





local breweries in downtown Winston-Salem called Wise Man during the weekend. These are also the people I have been going to larger events with like baseball, basketball and Nascar just to mention a few.

During my time here I have been living in a two bedroom apartment with two other AMCIP members, Erik and André. The three of us came to share almost everything, which has made us close friends real fast. To also share the car the first two months has had us doing pretty much everything together. But this has worked out surprisingly well, maybe because we share interests in most sports and activities. A small drive south of us we have the AMCIP member Jonathan over in the big city of Char-

lotte. He lives close to the border of South Carolina and is blessed with the presence of IKEA. Needless to say, we have spent a couple of weekends together exploring and partying on the east coast.

With that said, I would like to thank the AMCIP sponsors for making this internship possible. I would also like to thank PE Geometry Inc for letting me intern at their company. It has been nothing but fun times and a great opportunity to grow as an individual. I can not say enough good things about it.

PE Geometry Inc

Employees: 30 | **Hosting Interns since:** 2018 | **Area of Business:** Geometry Assurance | **Website:** www.pe-geometry.com

Carl Bodin

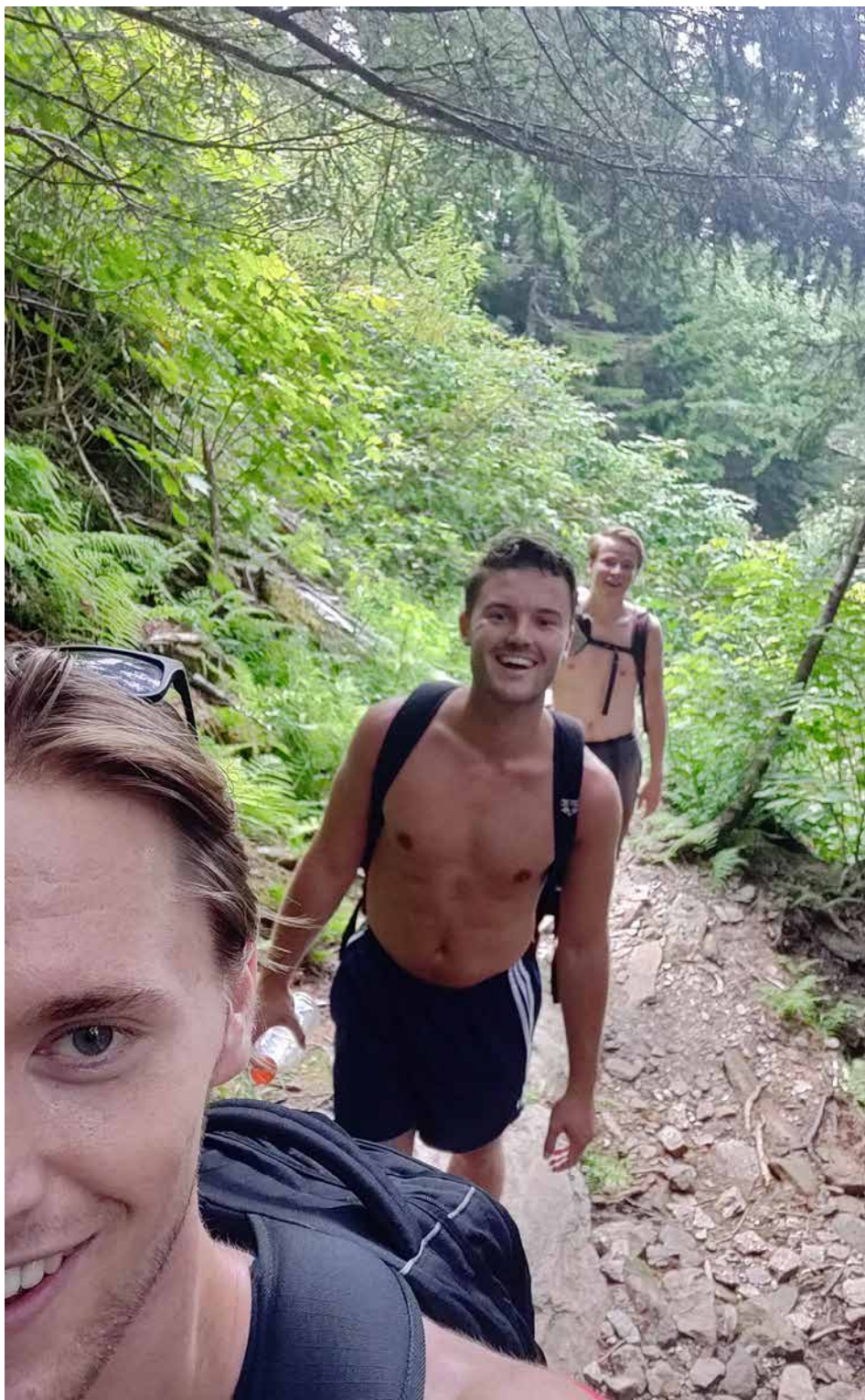
Born: 1996 | **Present education:** B.Sc. Mechanical Engineering

Future plans: Product development in Biomedical Engineering.

Best memory: Riding tube behind a colleagues boat.

Worst memory: Breaking my rib riding tube behind a colleagues boat.







Welcome Onboard

It does not matter if it is the person next to you on the bus, the Uber driver or someone at the local supermarket, in Miami you always get the question: Where are you from? With Miami being one of the most multicultural cities we have ever visited it is not really a strange question to be asked. People are curious because no one is just from Miami. After letting whoever is asking know that we are Swedish Interns at Royal Caribbean, the cruising company that most people in Florida know of, there is always one question to follow: So, when are you leaving?

On our first day at Royal Caribbean, we had to learn that it is called ships and not boats. As a reference, Titanic was a boat. We work at the headquarters located just by the water in the Port of Miami. The ships are at a convenient distance away and the view over Miami is one thing we are not complaining about.

With the fleet currently consisting of 60 ships and 6 different brands, our department, Global Marine Operations, work across the organisation and provides services such as Fleet Optimization and Technical Support. Even though our desks are just ten feet away, or about three meters if you prefer that system, we have different responsibilities.

I, Amanda, have finished my first three years of Civil and Environmental Engineering and have for my internship joined the Energy Management Team. My main responsibility is to keep track and follow up the ships performance from an energy perspective. Together with the Captains, Chief engineers and Officers both onboard and on the shoreside, we strive to optimize operations which leads to energy consumption reduction and a lower carbon footprint.

For me, Lovisa, my main focus is to support the development of business applications and digital tools that streamline work and collects data, using my knowledge in User Experience Design. Coming from Industrial Design Engineering, the skill set I have is pretty unique at our department. It can be challenging at times but at the same time I am grateful for receiving that responsibility and support from my team. I also see it as a great opportunity to get an insight in business strategy and project management.

As for the multicultural city of Miami there is a lot more to explore than we originally thought. The famous Miami Beach surprised us by not being too touristy and actually really nice. Then there is an extravagant music scene with festivals such as Ultra, which we ended up not buying tickets to when only the taxes exceeded \$100...





The city consists of a lot of different areas all a bit disconnected from each other but each one with their own design, vibe and unique restaurants. Exploring the neighborhoods is a given activity after work or on the weekends. Wynwood is where you can find graffiti walls, cool taquerias and hidden bars. Coconut Grove has romantic restaurants along the water and parks to take a walk in and Little Havana, where we are staying, is the latino area of Miami.

In our neighbourhood they talk more Spanish than English and we are now being referred to as Mami at the local grocery store. Along the streets you can find two main things, cigars and cafes serving Cuban coffee. But there are also great cuban sandwiches, the famous live music venue Ball & Chain (established in 1935) and the Calle Ocho Walk of Fame. It is without a doubt a big difference to our first stay in a dorm room at FIU Campus, which was located along the water and where we ran every Wednesday with a running club at the trails next to the university's football field.

So, when are we leaving? We are not, at least not to go sailing on one of the ships. But in about ten months it will be time for us to return back to Sweden and one thing is for sure, we have certainly been aboard.

Royal Caribbean Cruises, Ltd

Employees: 75 000+ | **Hosting Interns since:** 2018

Area of Business: Cruises | **Website:** www.rccl.com

Amanda Bergström

Born: 1995 | **Present education:** B.Sc. Civil Engineering

Future plans: Continue to explore and experience North America before heading home for the summer.

Best memory: Visiting Elinor and Ella in Canada and hiking at beautiful Niagara Falls. | **Worst memory:** First time I went to Whole Foods and saw the price tags... oh and when Hurricane Dorian was forecasted to hit Miami.

Lovisa Sköld

Born: 1994 | **Present education:** B.Sc. Industrial Design Engineering

Future plans: I'm here to figure that out. | **Best memory:** Besides living in a kind of tropical paradise, running in the sunset and exploring the city is so far my best experience here in Miami.

Worst memory: When our building was evacuated and all our belongings were packed up and left in a conference room...







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Living our best life in closet-sized rooms in the city of dreams

When first we landed in New York City we celebrated finally arriving in the US together with all our fellow AMCIP members, but as they one by one left to travel to their new homes, we were left with the realization that this huge city was actually OUR home for the nextcommning year. Describing this experience would require a whole lot more than two pages and four images, but here goes our best attempt at summarizing all we've experienced so far.

During our first month here we most definitely came across as (and felt like) lost tourists. Google Maps was our best friend when we went on an endless apartment (read: room) hunts, and got lost. We struggled multiple times to find the right subway entrance and managed to travel in the wrong direction, more than once. On 4th of July we went to a rooftop bar in Williamsburg to watch the fireworks, only to discover that the fireworks had been moved...

Now, a month later, we have both found our own NYC homes; Sara in East Village, Manhattan and Magnus in Bushwick, Brooklyn. 9/10 times we manage to pass the people trying to sell tours around Times Square and other touristy places without being yelled at (if that's not a sign that you are a true New Yorker then what is??). Google Maps is definitely still a good friend of ours, although we do not hang out as much as in the beginning. When we are not at work we do a ton of different things; after works, watch outdoor cinemas, go to concerts in Brooklyn and different events such as outdoor yoga in Queens, vintage shopping in Williamsburg and of course travel to other cities and visit fellow AMCIP-ers. Besides New York City, we have also been to Washington DC, Magnus has been to Philadelphia, and in just a few weeks we are meeting our AMCIP friends for a weekend in Las Vegas.

We quickly came to realize that the greatest thing about New York City is not all the grand buildings and famous tourist attractions, quite the opposite actually. The best part about living here is when you randomly come across a small bar or vintage shop that feels like a place that you would never find anywhere else in the world.





And now to the reason why we are actually here - SKIM. SKIM is a consulting firm, with offices in four different continents, that focuses on market research and decision behavior analysis. Their clients are mostly in the consumer goods, healthcare, telecommunications services and technology industries. They help their clients in their decision making by answering business questions through advanced market research methodologies and tools.

The work is project-based, where each project is based on a business question and a set of objectives, with a SKIM-project team dedicated to finding the answer. The team usually consists of one senior member, acting as project manager and one or more analysts or interns. The project manager is responsible for most of the client communication, whereas the rest of the team do the

bulk of the data analysis and presentation. The greatest benefit of working in a team like we do is that you always have a senior member to lean on, and learn from.

When you are not assigned to a project, there is always the opportunity to help out in other projects or to work on internal projects that interest you. What we learned early on is that everyone at SKIM is very kind and helpful, and will listen to and help you at any given time.

We would like to wrap this up by thanking SKIM and all our co-workers for believing in us and for making this experience more fun and interesting than we could ever dream of. There is no doubt that we will come back to Sweden with tons of fun memories to look back upon!

SKIM

Employees: 160 | **Hosting Interns since:** 2013

Area of Business: Market Research | **Website:** www.skimgroup.com

Sara Hillström

Born: 1995 | **Present education:** B.Sc. Industrial Engineering and Management | **Future plans:** Finish my master studies back in Sweden. | **Best memory:** Weekend with SKIM at Lake George celebrating our 40th anniversary (me winning "best costume" could absolutely have something to do with it). | **Worst memory:** Finding a 6 cm big cockroach in my closet...

Magnus Rolandsson

Born: 1993 | **Present education:** M.Sc. Quality and Operations Management | **Future plans:** Finish my masters degree.

Best memory: Hiking in Zion National Park.

Worst memory: Watching Sweden get eliminated from the soccer WC, at the office.







West Coast, best coast! Living my best life in San Francisco

When I was 13 years old I cried when I hugged my sister goodbye at the airport. I was happy for her, envious of her and I knew I would miss her a lot when she was gone. She was going to the magical country USA and would spend a year on the East Coast in the wonderful city Boston as an Au Pair. Ten years later I am the one saying goodbye as I am leaving to live in the US for a year. And in order to not be a total copycat I ended up on the West Coast in the most magical, loving and vibrant city that will always have a special place in my heart, San Francisco.

When I arrived at the San Francisco airport I had some anxiety. This was the first time I was completely alone, in a completely new city and a somewhat completely new country. I was excited, scared and nervous on how I would manage all of this loneliness. I was not even alone in my mother's womb for crying out loud, thanks to my wonderful twin. But it did not take long until I had set up different friend dates, real dates and other various activities for my extroverted heart to calm down. During my first weeks here in San Francisco I met a lot of new interesting people, explored a lot of the awesome places in the Bay Area and rather quickly I had gained friends that I enjoy spending time with. Why was I worried in the first place!?

With my year in the US I mainly have three goals. The first goal is to treat myself more and do stuff that I did not have time or money to do as a student in Sweden. I have, together with my newly found friends, explored various museums, gone on hour long hikes, watched dance shows, movie Tuesdays at the cinema, shopping sprees, various trips... The list goes on and on. One of the best things about San Francisco is that there is always something to do, you never get bored.

But if you in some way do manage to get bored of San Francisco, there is always an adventure near the city. Which brings me to my second goal, to explore the US and experience the American culture. Living in the wonderful state of California there are a lot of places to visit. Santa Cruz, Yosemite, Muir Woods, wine tasting in Sonoma, Sacramento are all good places for a day trip, and if you are in the mood for a weekend trip there are places like LA, Seattle and San Diego not far away. I am also planning to visit East Coast during my year here for holiday.



My third and last goal was to gain experience working as a Civil Engineer, and that is something that I am doing at a company called Monte Stotts & Associates. It is a small and familiarly company that you quickly get the feeling of belonging to, thanks to the most amazing people working there and the very spoiled dog that usually hangs around in the office.

The company offers various kinds of consulting but has its' main focus on seismic engineering, retrofitting and strengthening of both new and existing buildings. A typical work day consist of working with drawings in AutoCAD, calculating lateral loads or helping my boss stay organised through answering calls and checking emails. But my favorite thing to do at work is to go on site visits! These site visits can be everything from checking rebars at an existing project, taking measurements or joining my boss during a consultation that could be about literally anything.

I want to thank my coworker Jessica for always being a champ at work and an amazing friend. I would also like to thank my boss Monte for his amazing guidance, for being a perfect example on how to act as a boss and engineer and for his impeccable humour. I sincerely hope our paths cross before I hand him the keys for his new apartment in Gamla Stan, keys to his Saab convertible and a Nokia phone.



Monte Stott & Associates

Employees: 5 | Hosting Interns since: 2011

Area of Business: Structural Engineering | Website: www.montestott.com

Oskar Olsson

Born: 1996 | Present education: B.Sc. Civil Engineering

Future plans: Enjoy my year in California in all ways possible before starting my M.Sc. in Structural Engineering, which I also hope will be abroad. | **Best memory:** When the whole office were invited to a pool party up in Sonoma (really fancy). | **Worst memory:** When I got home a late Sunday night and my roommates had brought home some random Australians who where doing all kind of crazy stuff in our apartment.



Simulering med digitala tvillingar ger förbättrad kvalitet

Ett femårigt projekt inom Wingquistlaboratoriet vid Chalmers tekniska högskola i Göteborg fokuserar på simulering med digitala tvillingar vilket ger förutsättningar för den självkom-penserande fabriken.

Wingquistlaboratoriet på Chalmers tekniska högskola i Göteborg har sedan 2001 fokuserat på forskning inom området digital produktframtagning. Ett centralt område inom Wingquistlaboratoriet är geometrisäkring med målet att minimera effekten av geometrisk variation i den slutliga sammansatta produkten.

– Området är centralt för industrin och specifikt när det gäller massproduktion där man vill att alla detaljer ska passa till varandra och vara utbytbara, säger professor Rikard Söderberg, föreståndare för Wingquistlaboratoriet, och fortsätter:

– Traditionellt sett hanterar man inom industrin variation genom att specificera toleranser, det vill säga hur mycket variation som är tillåten. Snäva toleranser innebär ofta dyr produktion då det kräver hög noggrannhet i tillverkningsprocessen. Programvaran för geometrisäkring, RD&T, som delvis utvecklats på Chalmers används av Volvo sedan 1998 samt ett större antal företag globalt.

– RD&T utvecklas nu vidare för att kunna användas som en digital tvilling av det produktionssystem vi önskar att styra. Vi kan då se RD&T som en digital kopia av det verkliga systemet, med möjlighet till optimering och styrning i realtid, säger Rikard. För cirka ett år sedan fick man inom centret ett större forskningsprojekt, Smart Assembly 4.0, från Stiftelsen för strategisk forskning, SSF. Det femåriga projektet fokuserar på geometrisäkringsprocessen och har visionen om den självkom-penserande fabriken.

– Genom att utnyttja simulering i RD&T, tillsammans med nya möjligheter att snabbt kunna scanna ingående komponenter, kan man i framtiden ta hänsyn till geometrisk variation och justera monteringsprocessen så att man kompenserar för denna, säger Rikard och fortsätter:

– Det kan handla om att matcha rätt bitar mot varandra, att justera fixturer och utrustning och att välja rätt sekvens vid exempelvis punktsvetsning. Genom att mata en simuleringsmodell med data i

realtid kan den användas som en digital tvilling som i praktiken kommer att användas för att styra processen.

Rikard Söderberg som har forskat på simuleringsstöd för geometrisäkring i över 20 år ser med tillförsikt på den digitaliseringsvåg som nu sköljer över industrin.

Foto: Anna-Lena Lundqvist



– Med digitaliseringsvågen kommer tillgången på data att öka. Med mer indata kommer vi få bättre simuleringslösningar. Alla bolag är konkurrensutsatta och vill vinna på smarta arbetssätt, säger Rikard och fortsätter:

– Hela industrin blir alltmer sammanflätad, de företag som vi jobbar med har ett antal underleverantörer som tillverkar komponenter. I framtiden får vi kanske mätdata på komponenterna till en Volvo från leverantörerna och kan bereda oss på informationen redan innan de sätts ihop. I de komplexa nätverken som leder fram till affären finns väldigt mycket data som gör att man kan få ut det bästa av slutprodukten. Kan man kommunicera digitalt och optimera produktionen och produktionssystemet utan fysiska möten och manuell hantering av data sparar vi mycket tid. ■

◀ *Rikard Söderberg, professor i produkt- och produktionsutveckling, prefekt för Institutionen för industri- och materialvetenskap samt föreståndare för Wingquist Laboratory.*

OM WINGQUISTLABORATORIET

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Läs mer på: www.chalmers.se/wingquist

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Institutionen för industri- och materialvetenskap är organiserade i sex avdelningar, som tillsammans täcker forskning från användarbehov till färdig produkt inom den industriella processen. Våra forskare samarbetar i nära samarbete med partners från industrin.

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That trip to Vegas

It has become somewhat of a tradition for AMCIP to travel to Las Vegas to experience this one-of-a-kind phenomena, and AMCIP 2019 had no intent to break this tradition. One weekend in September, 11 of us went there and spent our time hiking in Zion National Park, attending a pool party and going out on the famous strip with all its casinos and lights. While Vegas was a fun city to have visited, catching up with fellow AMCIP-ers from all around North America was for sure the best part of it. Here are some snapshots from our Vegas experience!





Stepping out of the comfort zone so called Sweden to explore and experience USA

Even though I knew the day was coming there was no way I could prepare myself enough for this journey. As I am writing this I have been living here in America for 2 months and so far this have been one of the best decisions of my life.

As I was on my way to the airport in Gothenburg I could not help but to feel a little nervous and happy at the same time. The day had finally arrived after endless amounts of paperwork and preparations and a sleepless flight later I was on the other side of the ocean getting picked up by my new roommate Ben Kudlacek, and here I am still today.

I am currently working at Outokumpu, a company with roots from Finland though today Outokumpu is a large company spread over the globe focusing on producing Stainless Steel bars with good quality, on time. I am stationed at the Outokumpu Stainless bar facility in Richburg. This is where all the finishing touches are made in the production of stainless steel bars. This includes cold welding, peel and polishing, grinding, heat treatment, straightening and Quality Control and I am working with the latter. This means I am in a very interesting position as I get to be a part of

the final safety net of Outokumpu production. My duties at work have mainly consisted of testing, but also some general maintenance and statistical analysis. When it comes to testing I've been responsible for making sure every shipment that goes out from Outokumpu in Richburg have been tested correctly. This is done to make sure all the bars meets the standards and requirements for each customer. It is a very important task that might seem simple, but imagine if a bar that is not meeting the expected mechanical properties actually gets shipped and used. The outcome can have catastrophic consequences depending on where it will end up.

Apart from working there is of course other things to do, especially considering that I am living in Charlotte. The matter of the fact is that there is an overwhelming amount of opportunities to do whatever you want here. Personally I try to explore the city of Charlotte during the weekdays and for



the weekends I try to road trip and travel as much as possible. Before moving to the US I had never heard of the city Charlotte. To my unknowingly happy self Charlotte turned out to be a super exciting city. While exploring the city I usually spend my time trying out different breweries or cafes in various areas or I will go climbing at the closest climbing gym. With this I am only scratching the surface of possibilities and I am stoked to see what else Charlotte has to offer. When it comes to traveling during the weekends i have so far been using my trusty car to explore different national parks or interesting cities in the neighbouring area. These drives can easily end up being a 4 hour one way drive, which is not close in my opinion, but here in America you learn pretty fast that a 4 hour drive is basically nothing and that a 1 minute drive is a necessity.

This Internship has given me a truly amazing insight into the engineering field and more working experience than I could have hoped for. For this I would like to thank everyone working with me at Outokumpu, I have felt as a part of the team since day one. I would like to give extra thanks to everyone in the Quality Team. Mike Marcanio for teaching me as much as he can about quality and the ways of the engineering business, Ben Kudlacek for teaching me the working routines and putting up with me as a roommate, Michael DeVoss for spicing it up, Jim Furda for keeping me company out in the heat of the floor and also Chuck Keating for making everything happen and keeping me supplied.



Outokumpu

Employees: 76 | **Hosting Interns since:** 2002

Area of Business: Stainless Steel Bars | **Website:** www.outokumpu.com

Jonathan Pettersson

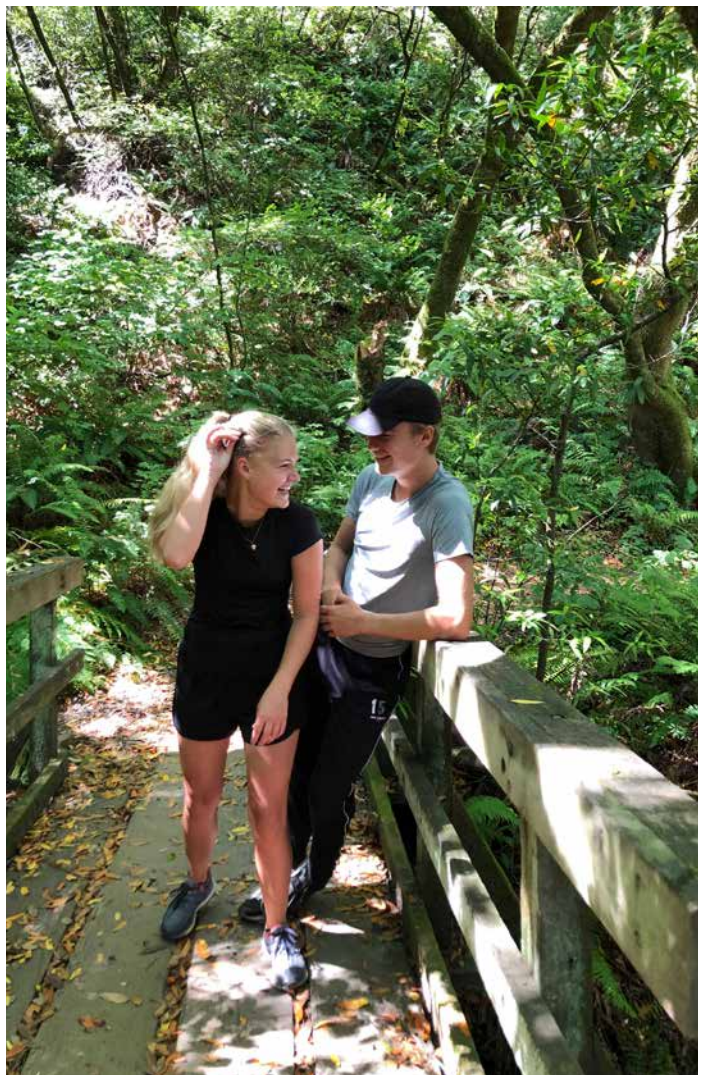
Born: 1996 | **Present education:** B.Sc. Mechanical Engineering

Future plans: Completing my internship and then travel in Europe.

Best memory: Managing to hit the ball on the golf outing when everyone was watching. | **Worst memory:** The kid behind me on the flight over.







North Carolina, the state of opportunities

In the city of Greensboro, where sidewalks barely exist, the car is man's best friend. Without the car, you will not make it far. But with the car by your side, there are so many nice places that are worth a ride.

My name is Erik Panzar and I live just outside the city of Greensboro, North Carolina. I am working for a consultant company named XDIN Inc., which is a subsidiary to the ALTEN Group, a worldwide leader in technology consulting, with 28,000 employees in 27 countries worldwide. The number of employees at XDIN in Greensboro is around 300 people. I like the fact that it is a very multicultural company and has a huge variation of nationalities. My colleagues come from all over the world: the U.S., Sweden, Mexico, India, Israel, France... the list goes on.

One of our biggest customers is Volvo Trucks North America. On their behalf, I perform studies in Catia V5 regarding tool accessibility, installation paths and operators' ergonomics while mounting the trucks. The job comes with a lot of challenges and responsibility, but it is also very knowledgeable. I have had the opportunity to see

how it is working for a big and structured company, being part of a team where everyone has different assignments, but we all have the same mutual goal: To deliver the best possible product to our customers.

Together with my roommates Carl Bodin and André Toresson, we try to do as much traveling and sightseeing outside of work as we can. Since the company provides us with a company car, most of our weekend trips have been within driving distance. We have visited Asheville for hiking, Myrtle beach for nightlife, the city of Raleigh for sightseeing and much more. There is so much to see in North Carolina that I almost need a checklist to remember all the places that I would like to visit. Our next trip will probably be to Outer Banks, a 320 km long string of barrier islands at the east coast of North Carolina. There you can find a lot of nice beaches and small towns.



Our apartment that we rent is in a very enjoyable community. We have a swimming pool, gym and two tennis courts just around the corner. This has resulted in many tough tennis games between the three of us. Since the majority of the people at my company has moved here from either other parts of the U.S. or other countries, not many have their family and old friends here. This has resulted in a very good after work culture where people very often hang out with the colleagues even after working hours. Some of the activities we regularly do are river tubing, playing floorball or visiting the local breweries in the nearby city Winston-Salem.

Greensboro is located at the same latitude as Málaga. Therefore, it is not hard to imagine that the summers are often very long and the temperatures are very pleasant, even at the same time as we in Sweden usually wear hat and gloves because of the cold. This gives us even better possibilities to discover the nature and many National Parks that North Carolina has to offer. Hopefully, we will also have time to visit some of our friends in the other parts of the U.S. and Canada during our time here. Because even if North Carolina is called the state "First in flight", the rest of North America has a lot of places that can make you over the moon!



XDIN Inc.

Employees: 300 | **Hosting Interns since:** 2018

Area of Business: Design and production engineering

Website: www.xdin.com

Erik Panzar

Born: 1996 | **Present education:** B.Sc. Mechanical Engineering

Future plans: M.Sc. Production Engineering. | **Best memory:** Hiking in Mount Mitchell State Park just outside of Asheville.

Worst memory: Finding a Coke can in the car that had exploded because of the heat.



From one West Coast to another

While writing this text we are having Swedish fika and enjoying the view of a beautiful hike in Point Reyes. We, Måns Medin and Mildred Sköld, have realized we share the same love for hiking, meeting new people and exploring different cities during the weekends which is great since we have come to share a car. The car is a 15 year old Volvo V40 and we pray that it, with its Swedish quality, will last the year we are here.

After a wonderful weekend in a sunny and hot New York it was time for everyone in AMCIP to head to their new hometowns. We were headed to California and Silicon Valley.

After a couple of hours in the air we arrived, tired and a little bit confused. Luckily the previous AMCIP-interns, Ludvig and Christian, picked us up at the airport in San Jose and took us to the hotel in Fremont, which our company ALOM kindly payed for. The realization that we would not be able to afford such nice housing again, due to the Silicon Valley prices, was a bit of a bummer. Since the San Francisco Bay Area is the center for some of the largest tech companies in the world such as Google and Apple the area is very attractive to live in, which causes the prices to be really high. Due to the high prices we could only afford to rent rooms, which in the end turned out to be good since we had the chance to get to know our great American roommates.

When it comes to getting around, in California and in the US in general, are vastly different compared to the compact European cities we are used to. Here you are pretty much dependent on having a car. Where we live, having a car means freedom and gives you the chance to explore the dramatic and very beautiful nature of California. We have already written a long list of all the places we wish to visit during our time here. Both of us have already had the chance to go down Highway 1 with its incredible scenery, driving along the coast line down to Los Angeles and San Diego.

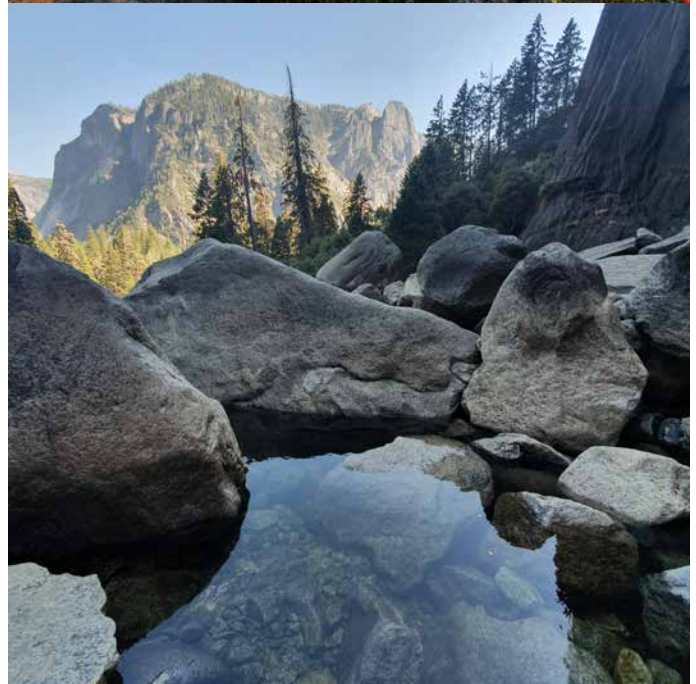
Even though we have numerous possibilities of things to do during our time off here, the main purpose of our stay is our internships at ALOM Technologies Corporation. The company provides third-party logistics services within Supply Chain Management and Strategy. At the company, Mildred's position is Quality Intern. Her day to day



work consists of identifying Key Performance Indicators, performing root cause analysis and working with continuous improvement to ensure the quality of ALOM's services maintains a high level. Måns on the other hand works as an Operations Intern, and most of his daily work is project-based and his job responsibilities include data analysis, business intelligence and process optimization.

Since ALOM is a somewhat small company. We are working close to the senior management which gives us a good insight into the company structure. For us, this also means we are working across departments, which has been very rewarding. Our CEO Hannah Kain is Danish which makes the culture at ALOM a bit more Scandinavian than the typical American organizational culture. She has already invited us to several events such as after works with customers, for an example an event called SiliconVikings. This was a conference where Nordic women that run different tech companies in Silicon Valley get together for a work-related breakfast discussion.

We are entrusted with great responsibility at ALOM, which not only prepares us for our future working life, but also creates a very stimulating environment where you can feel the difference you make. We would like to thank Hannah Kain, our supervisors Subu Subramanian and Kaveh Mograhebi, as well as the rest of the team at ALOM for giving us this great opportunity.



ALOM Technologies Corporation

Employees: 100+ | **Hosting Interns since:** A while back

Area of Business: Supply Chain Management and Strategies

Website: www.alom.com

Mildred Sköld

Born: 1997 | **Present education:** B.Sc. Industrial Engineering and Management

Future plans: Finish my two years of master studies in Sweden.

Best memory: Road tripping to Los Angeles. | **Worst memory:** When the gear stick on my Volvo V40 stopped working in San Diego, 800 km away from home.

Måns Medin

Born: 1997 | **Present education:** B.Sc. Mechanical Engineering

Future plans: Enjoy my time in California before going back to Sweden to enroll in my master studies. | **Best memory:** When we did a road trip on Highway 1 along the west coast and experienced all the unreal views. | **Worst memory:** Realizing how bad the American coffee really is.



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Life is better at the beach

I am still wondering if 12 year old me, who sometimes ran home from school to watch another episode of the TV-series "The OC", could have ever imagined that one day I would end up living here. Sometimes life is just so crazy.

Moving from one west coast to another has so far been an amazing experience, although an emotional rollercoaster at times. Five days after finally buying a car here it broke down, and I had to go back to using Uber. After spending a decent amount on repairs I was more than ready to hit the six-lane freeway again, and to start discovering what Orange County had to offer. That was also the week I experienced my first two earthquakes. So it was quite an intense first week, however since then it has all been golden hours. This part of California, the so-called SoCal, really has it all. There are great beaches to surf, gym classes you haven't heard the name of and friendly people who love Taco Tuesdays. The nature in the surrounding area is next level and within a one hour drive you'll find some amazing locations. The one-hour drive could easily be three here though, because of the traffic that never sleeps.

When speaking of golden hours, I have to bring up the sunsets here. Every evening, no matter where you are at, you will experience beautiful sunsets that still blows me away.

The city of Fountain Valley, originally jam-packed with strawberry farms, is where the water management company PACE is located, and this is where I am doing my internship. PACE is an engineering firm offering advanced water resource services to develop aesthetic, environmentally sustainable and practical engineering solutions to their customers. I am positioned at the Storm-water management division that primary works within areas such as river restoration, flood control systems and hydraulic modelling just to name a few. Because of California's climate and the dense population, the water resources in the area has always been of significant concern, maybe now more so than ever before.



The broad spectrum of solutions PACE offers also reflect how various my working days have been. For example, I have sketched flow schedules in AutoCad, learned about water treatment processes, designed pump station layouts... The list goes on and on. Another part of my work involves gathering information from different divisions of the company that can help executive decision making. Other than this I also spend a lot of time converting numbers from metric to imperial units, which I doubt if I will ever learn it by heart. I still learn new things every day, and I am so thankful for how well PACE have welcomed me and how they take care of their interns.

What I also want to highlight even more with PACE is their amazing employee culture. There are tons of activities that makes everyone feel welcomed and keeps a good spirit among the employees. For instance, Wednesdays always means yoga, and there is activities like biking to the beach, dress

up themes, lunch workshops and baseball games. When it is casual Fridays everyone wears flip-flops of course. Apart from these weekly activities I have also tried the shrimps from the company's own shrimp farm, located in the backside of the office, and tomatoes from the founder's garden (who is Swedish).

I am sure I will come back to Sweden with great experiences and a basket full of knowledge about water, new SoCal lingo and maybe a new pair of yoga pants or two that I used in my boutique fitness classes.

The only stars I have spotted so far are the ones on The Walk of Fame in Hollywood and the ones in the sky at night. But I am still hopeful to run into Kobe Bryant as I have heard he lives in the area.



PACE - Pacific Advanced Civil Engineering

Employees: 60 | Hosting Interns since: 2015

Area of Business: PACE is a specialized civil engineering firm formed in 1987 offering advanced water resource services. | **Website:** www.pacewater.com

Rebecca Redtzer

Born: 1995 | **Present education:** B.Sc. in Civil Engineering

Future plans: Start my M.Sc. in Civil Engineering after the summer.

Best memory: All these attempts trying to learn surfing.

Worst memory: Earthquakes two days in a row.

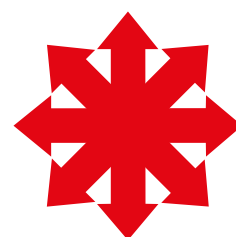


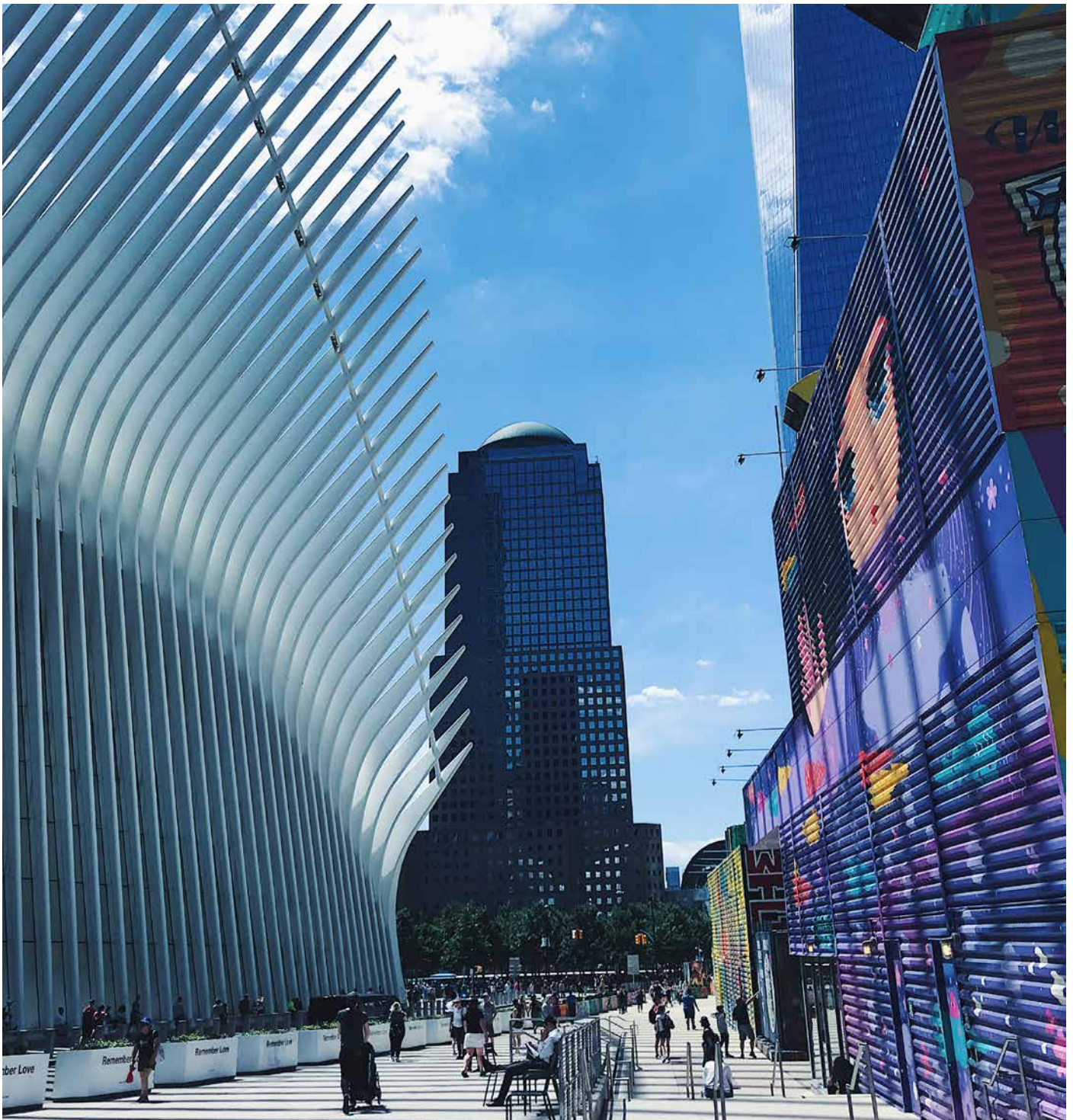


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From the rainy Gothenburg to sunny California

The sun is out and my Swedish mentality is telling me that I have to go outside and enjoy the hot summer day. I do my best to suppress those urges because there has been sunshine every day during the past two months and I could use a break. Luckily, Orange County has a lot more to offer than beaches, and the office is well equipped with air conditioning, helping me to survive the heat.

My Internship is at GoToMarketUSA, a company that helps European companies enter the U.S. market. Their services include assisting their clients with industry insights, strategic decisions, company registration, sales activities, daily operations, growth, financing, and much more. This means that the European companies get a local, physical presence in the U.S., while still being able to focus on their operations back home. Their customers operate in a variety of industries such as medtech, cleantech, industrial solutions, and software applications.

With their customers being technology companies, my education in engineering comes in handy. However, as a Business Development intern, I really get to zoom out from the product focus and see the entire operation. During my studies in Industrial Design Engineering, I mainly learned about product development, identifying the end user's needs and creating products accordingly. What I did not learn is how marketing, sales, distributors, partners and the rest of the business affects how (and if) the product will reach the end user. As each project is unique, there is not always a predetermined method to follow or a description of which steps to take next. This really forces me to be creative and use my knowledge from a variety of fields. I spend my days doing many different things such as helping with creating business strategies, developing marketing material, adapting how products are portrayed, improving communication and much more.

The company is located in Irvine, Orange County, in a shared office space. The building is filled with start-ups, creating an interesting environment to work in. "Breakfast" is served once a week (doughnuts), they throw after work parties and there is a free beer tap in the common area (not Pripps but just as good). My closest colleagues are Swedish



which really helps the transition into the American culture. They can answer my questions about the unusual behaviour of the Americans and guide me through the do's and don'ts. I also regularly attend business events, practicing my networking which is far more important here, I am assuming that I will be a pro by the time I have to go home. In other words, I am improving many skills that I would not have been able to without this internship.

Coming to California I had some prejudices and yes, many things were similar to what I expected. The weather is great, the people are tanned and there are palm trees and beaches almost everywhere. But a lot of things are still surprising to me.

The traffic is definitely one of them. Without a car your options are very limited. Therefore everyone has one each, making the traffic so busy that even the freeway with 6 lanes can be standing still. The people are very friendly and social. Americans like to small talk and make friends everywhere, including at the car wash and the supermarket, which is great when you are new! There is a lot to explore with L.A., San Diego and the vineyards of Temecula being only 1-2 hours away, and the friendly Americans are very happy to show me around. However, I do like to spend most days on the beach, enjoying the sun and learning how to surf. Now that I think about it, how will I ever be able to return to the rainy Gothenburg?



GoToMarketUSA

Employees: 6 | **Hosting Interns since:** 2019

Area of Business: International Business Development

Website: www.gotomarketusa.com

Lisa Rooth

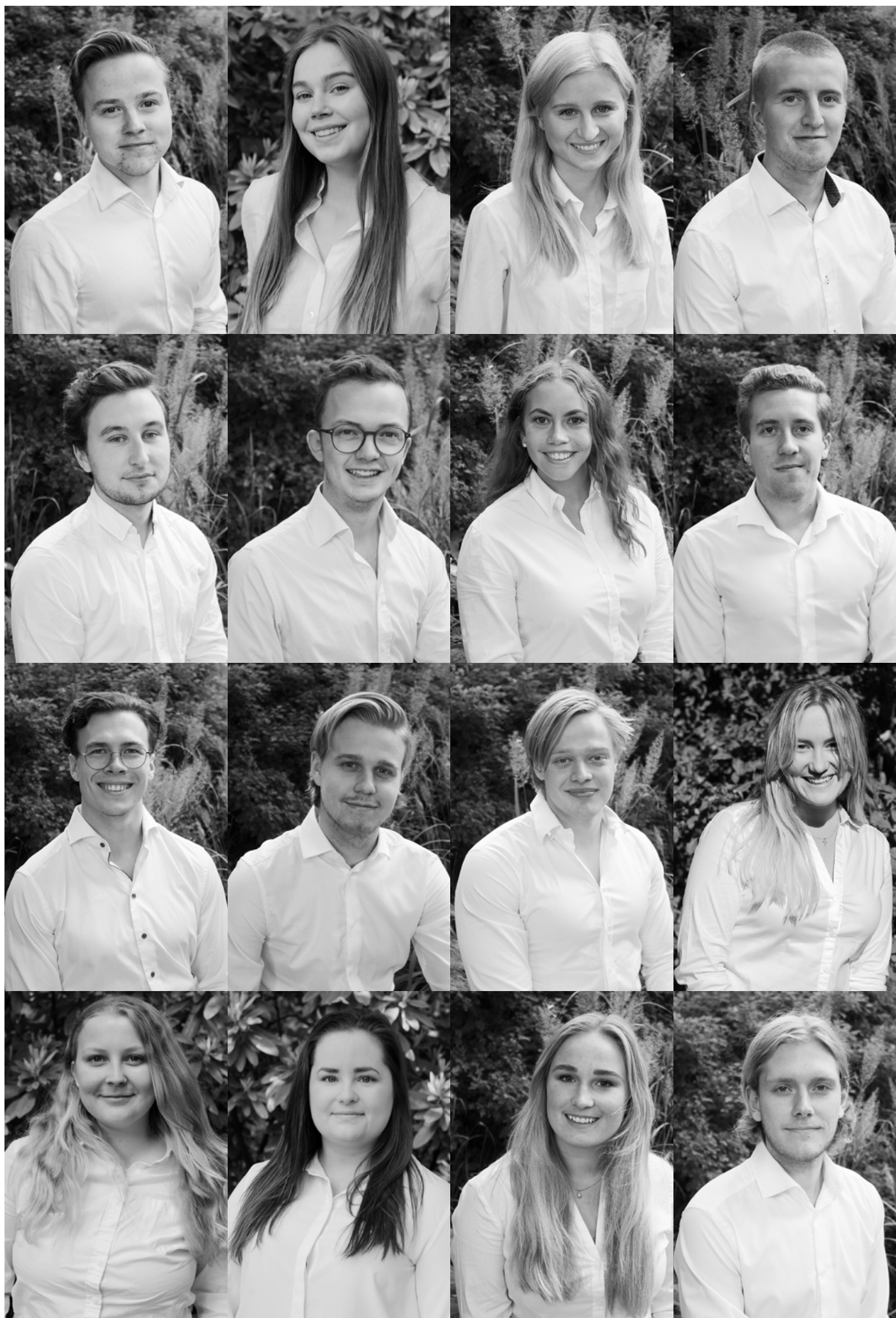
Born: 1996 | **Present education:** B.Sc. Industrial Design Engineering

Future plans: Attending a Master's programme at Chalmers.

Best memory: Surfing at sunset in San Onofre.

Worst memory: Driving in the crazy Californian traffic (2 bumps and counting).





Greetings from AMCIP 2020



The hard work and commitment of the members and board of AMCIP 2019 paid off. At the time of writing they're abroad enjoying good work, great company and North America of course. Now it's time for the next chapter in the AMCIP story as the year of AMCIP 2020 begins.

We have a great year ahead of us filled with new challenges and experiences here in Sweden. We will be working with our day to day assignments but also with creating a close-knit team and group of friends and we have no doubt that we will succeed. AMCIP 2020 consists of fantastic people of different educations and backgrounds and it will be a pleasure to get to know each other more.

With a long history of creating opportunities to work for Chalmers students for over 55 years, we feel a privilege and obligation to carry on a great tradition. A tradition to not only give students work experience but also a tradition of cultural exchange.

During our year we will work hard together in order to create new relationships with companies in North America as well as in Sweden. We also hope to market AMCIP to as many Chalmers students as possible to make sure that the organization can continue to thrive in the future.

Finally we would like to extend our sincere gratitude to everyone who facilitate AMCIP's continued success. We would like to thank all the companies and people who have supported us throughout the years. We would like to thank the board of AMCIP 2019 and above all we would like to thank the companies in North America for their hospitality and for making these invaluable internships possible. We are looking forward to another exciting year together!

AMCIP 2020

Thank You



With Gratitude

Supporting organizations

U.S. Embassy of Sweden

American Scandinavian
Foundation

Chalmers University of
Technology

GKN Aerospace

AstraZeneca

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Index

A

ACOEM AB	61
Affärsmodellering AB	10
A H Automation AB	10
Aplicator System AB	66
AstraZeneca	13

B

Bodycote Värmebehandling AB	61
Bygging-Uddemann AB	30
Bohlins Maskiner AB	61

C

Cactus Utilities AB	30
Cambio Healthcare Systems AB	1
Canea Partner Group AB	15
Carryline AB	41
Chalmers department of Industrial and Materials Science	48
Chalmers masterprogram for Biotechnology	4
Chalmers program Architecture and Engineering	4
Condesign AB	Baksida
Contura Steel AB	67
CSE - The department of Computer Science and Engineering at Chalmers	31

E

Enertech AB	41
ESMA Försäljnings AB	40

F

Fursten AB	5
------------	---

G

Garö AB	66
GKN Aerospace Sweden AB	12
Gnotec AB	41
Graniten Engineering AB	10
Göteborgs Byggmästareförening	66

I

IKEM - Innovations-och kemiindustrierna i Sverige AB	76
Ingemar Johansson Ingenjörbyrå AB	15
Inhouse Tech Göteborg AB	11
IRO AB	15

J

Jernkontoret	5
--------------	---

L		
Ludvig Svensson AB		10
M		
Mellby Gård AB		60
N		
NIBE Industrier AB		4
NyTeknik		66
O		
OptiGroup AB		15
Optoskand AB		11
P		
PMC Hydraulics Group AB		10
Pålanalys i Göteborg AB		67
R		
Rotationsplast i Munkaljungby AB		30
S		
Santasalo Gears AB		66
Schaeffler Sverige AB		31
Sevensco AB		67
SEW-Eurodrive AB		67
Sibbhultsverken AB		15
Stena AB		40
Sumitomo SHI FW Energi AB		11
Swemaint AB		30
Systemair AB		60
T		
TBS Mediabyrå AB		40
Torkapparater-Termisk Processutrustning AB		64
Tranemo Textil AB		61
Trilogik Konsult AB		30
TTS Marine AB		40
V		
VBG Group AB		61
Vehco		5
Veolia Water Technologies VA-Ingenjörerna		20
W		
Wenell Management AB		60
Y		
Yara AB		45

INTERVIEW

Joel Andersson - IKEM

-VILKA ÄR NI PÅ IKEM?

IKEM eller Innovations- och kemiföretagen – i Sverige består av en arbetsgivarorganisation och en branschorganisation. Vi har ca 1400 medlemsföretag som alla arbetar med kemi i vid bemärkelse, både som tillverkare, distributörer och som användare. Vi representerar våra företag i en rad olika områden: Både inom arbetsrättsliga frågor men även inom till exempel miljö-, energi- och kompetensförsörjningsfrågor. Vårt huvudkontor är baserat i Stockholm men vi har även medarbetare på flera platser runtom i Sverige.

- HUR JOBBAR NI MED KOMPETENSFÖRSÖRJNING INOM IKEM?

Kompetensförsörjning ur vårt perspektiv är att våra medlemsföretag har tillgång till den kompetens som de behöver. Både när det kommer till att anställa nya personer likväl som att de medarbetare som idag redan arbetar på företagen har den kompetens som de behöver. För att uppnå detta arbetar IKEM på många olika fronter. Det handlar bland annat om att påverka och stödja det nationella utbildningssystemet så att de elever som går relevanta utbildningar får den kunskap som de behöver. Vi måste ha ett utbildningssystem i världsklass så att eleverna får en så bra utbildning som möjligt och dessutom har stora möjligheter att kunna vidareutbilda sig om de skulle vilja det. Detta är oerhört viktigt för att våra företag i slutändan ska få tillgång till rätt kompetens.

Utanför utbildningssystemet så jobbar vi mycket med arbetsmarknadsfrågor. Att det finns en stark koppling mellan våra företags behov och vad arbetsmarknaden har att erbjuda anser vi ska vara en självklarhet. Vi jobbar hårt för att matchningen mellan de som inte har något jobb och våra företag ska bli bättre. Det kan dels handla om att individer behöver hitta rätt företag men även att ge personer den kompetens som de behöver för att våra företag ska kunna anställa dem.

- VAD FINNS DET FÖR FÖRDELAR MED ATT JOBBA INOM KEMIINDUSTRIEN?

Fördelen med att jobba inom kemiindustrin är att du får jobba i en oerhört spännande bransch som ligger i framkant när inom många aktuella områden. Våra företag gör stora till exempel stora hållbarhetssatsningar med en rad olika projekt och nya innovationer. På tal om innovationer så är det någonting som sker konstant inom vår bransch. Det kan handla om att ta fram material som är mindre resurskrävande eller nya tekniker för att bota olika sjukdomar.

- VILKA EGENSKAPER SÖKER NI NÄR NI LETAR NYA ANSTÄLLDA?

Våra företag har ofta behov av många olika typer av medarbetare. Som högskoleutbildad kan du arbeta på många olika platser hos våra företag. Exempelvis är det inte ovanligt att det finns behov av förstärkning inom exempelvis produktionen eller på utvecklingsavdelningen. Våra företag är ofta väldigt innovativa och tar kontinuerligt fram nya och spännande produkter. Ett annat spännande område är miljö och där det sker det kontinuerligt ett arbete för att skapa miljövänligare produkter och en renare produktion.

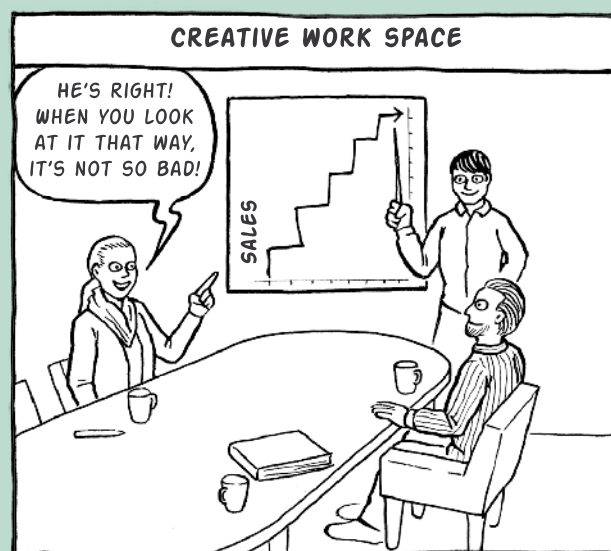
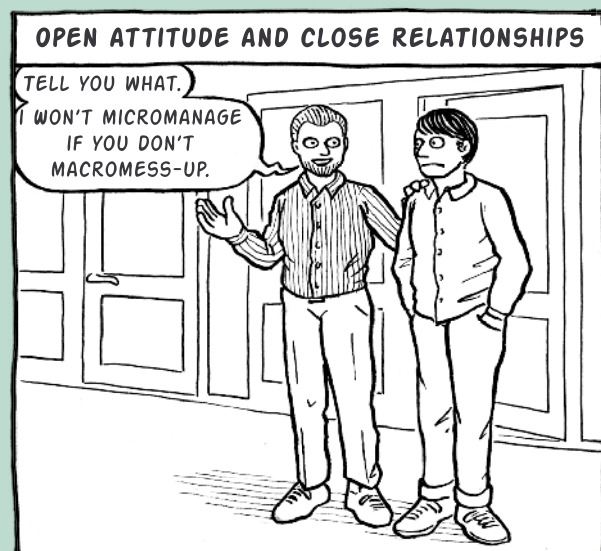
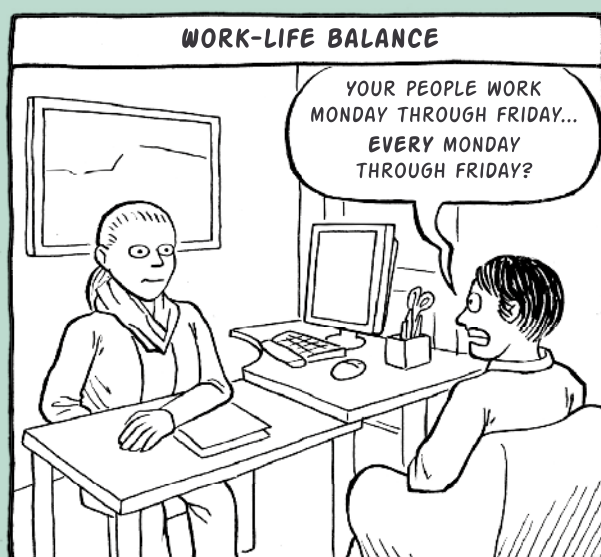
Många av våra företag ser gärna att man som medarbetare har ett stort driv och är engagerad. Det finns ofta stora möjligheter att utvecklas inom organisationen men då krävs det ett engagemang och ett driv att växa som person.

IKEM

Innovations- och kemiindustrierna i Sverige

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