

INTERNSHIP REPORT 2024

Chalmers Engineering
Student Internship
Program

cesip



What is

CESIP?

CESIP, Chalmers Engineering Student Internship Program, is a non-profit student-run organization at Chalmers University of Technology, in Gothenburg, Sweden. It is, in its current form, the result of a merger of CETAC and AMCIP, which both were founded over 50 years ago.

Our mission is to bring well-educated Swedish students and high-tech North American companies together. Over the years our program has made it possible for thousands of students to gain practical experience with companies such as Google, Microsoft and NASA, just to name a few.

One of our primary goals is to foster international business cooperation. Therefore, we make sure to only bring highly motivated and technically skilled students to the participating companies. With a different perspective, fresh ideas, and burning interest we are sure to make solid and memorable contributions.

This cultural exchange is also of great benefit to both parties. Consequently, many of the companies working with CESIP has been doing so for years.



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Apply to CESIP

An internship in North America does not only offer students valuable work experience, but also insight into different cultures. Excellent English communication skills are also highly sought after, and often a necessity. These are all qualities you will gain as a member of CESIP.

CESIP encourages all motivated students who are enrolled at a five-year engineering program and wish to get a little extra out of their studies, to apply as members.

The duration of CESIP internships usually stretches from eight weeks to a year. The host companies vary greatly in size and area of business, and the work assignments will of course vary depending on the intern's field of study.

CESIP, which has been active for more than 55 years, consists of 22 students at Chalmers University of Technology, of

which 14 are members and 8 are board members. The board is responsible for the overall management of the organization in addition to the specific tasks for each position.

The application period for internships starting the summer of 2026 will be either late spring or early autumn 2025.

Prior to your internship you will be active within the organization for one year, helping CESIP in both finding and funding the internships you will later apply to. This is an exciting year where you will get to know students from all over Chalmers as well as prepare yourself for your upcoming internship.

**CHALMERS ENGINEERING
STUDENT INTERNSHIP PROGRAM**

Letter from Editor

Over a year has passed since I first joined CESIP, a journey that has been richly rewarding. Alongside students from various engineering disciplines, I undertook into the finicky work required to organize internships abroad, driven by the promise of professional experience. For many of us, this commitment has represented more than a year's worth of preparation and effort and, at the same time, has opened doors to careers that bridge international boundaries.

CESIP was founded to provide Chalmers students with access to high-quality internships on the other side of the Atlantic. Since its creation, many students have ventured abroad, experiencing environments and cultures exchanges that will shape their futures. However, this year there were fewer than expected students joining CESIP resulting in a lower amount of travel stories.

This Internship Report was put together to inspire you and other fellow students studying at Chalmers to go on an internship yourself. You will find personal

reflections from CESIP interns who, like you, were once wondering what life could look like beyond the lecture halls of Chalmers. These stories highlight the personal and professional growth they have gained.

I would like to extend my gratitude to everyone who has been part of this year's journey and persevered CESIP's legacy of empowering ambitious students in gaining new skills and experiences.

LIAM ANTONSSON
EDITOR, CESIP 2024



Photo: Foton

Printed in 500 copies.
Published by Chalmers Engineering Student Internship Program.

Design and layout by Moa Kallén, Editor CESIP 2025.
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Photos courtesy of CESIP, Foton and Unsplash unless otherwise stated.

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Chalmers University of Technology
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412 58 Gothenburg

Interns in North Am



San Francisco, CA

Orange County, CA



Evelina Svorén
Civil Engineering
Monte Stott &
Associates Inc



Clara Dahl
Civil Engineering
PACE advanced
water engineering



Nadia Borrbring
*Industrial Engineering
and Management*
ATECH Inc

America 2024



Lisa Vind
*Global Systems
Engineering*
NVI Inc



Lisa Holländer
*Automation and
Mechatronics*
NVI Inc



Malte Ahlskog
*Automation and
Mechatronics*
Amerden Inc



Axel Westberg
*Industrial Engineering
and Management*
Royal Caribbean Group



Erik Rudberg
*Industrial Engineering
and Management*
ATECH Inc



Words from Chairman

Serving as the chairman of CESIP over the past year has been an incredibly enriching and rewarding experience. Throughout this period, I have had the privilege of meeting and collaborating with exceptional colleagues who have become close friends, as well as expanding such professional network in ways that exceeded my expectations. Together, we achieved numerous impactful and rewarding initiatives as an organization, fostering a strong sense of community.

One of the most profound aspects of this role has been the opportunity to engage on an international level, which has broadened my perspective and deepened my understanding of global practices. The chairman role is a journey of continuous growth, sharpening communication skills, enhancing accountability, and building the capacity to deliver clear and effective messages in

varied contexts. This experience has strengthened my leadership abilities, equipped me with practical problem-solving skills, and provided invaluable insights into navigating complex scenarios.

Moreover, connecting with members from across Chalmers has been both inspiring and motivating, reinforcing the value of collective effort and shared vision. I would like to extend my heartfelt gratitude to all CESIP members, my colleagues, and our extended network for their unwavering support, collaboration, and commitment. Thank you for making this experience truly memorable and impactful.

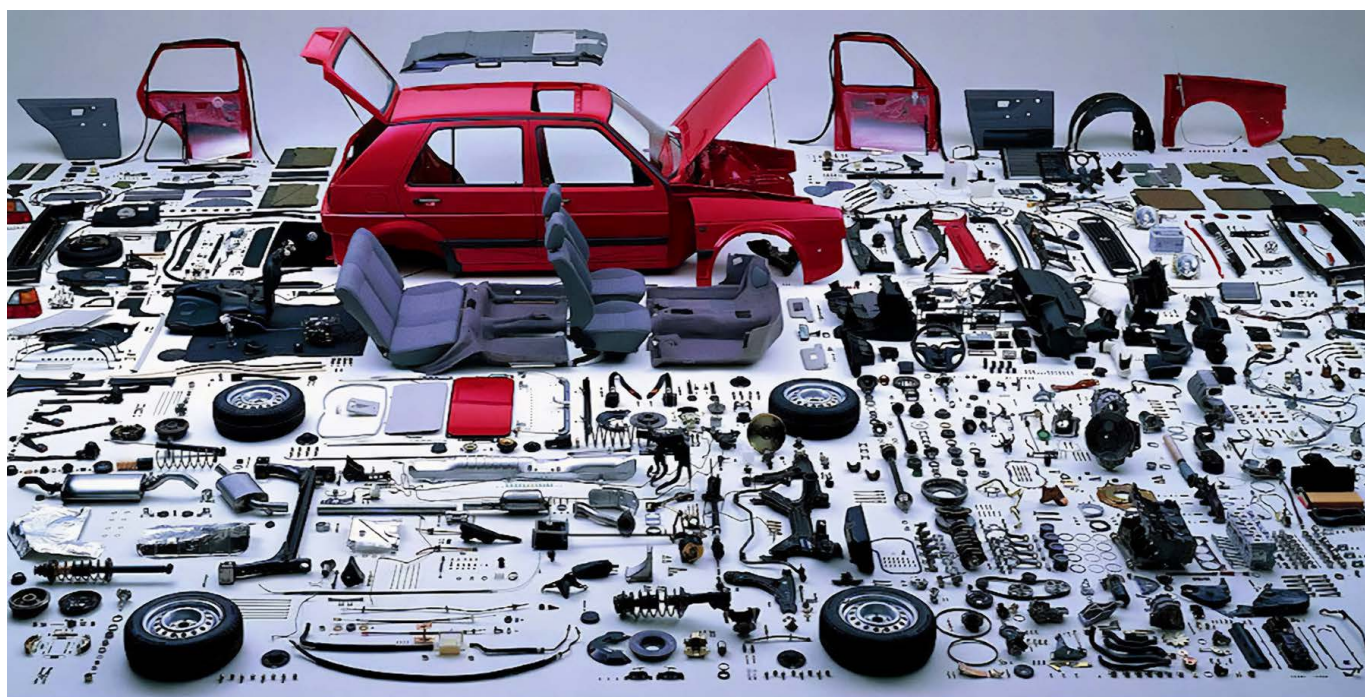
MOHAMAD AL SHAAR
CHAIRMAN, CESIP 2024



CHALMERS
UNIVERSITY OF TECHNOLOGY

Area of Advance
ENERGY

Efter studier hos oss förstår du både helheten och detaljerna
– du blir både en hett eftertraktad generalist och specialist.



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Voices of Support

At Chalmers, our vision—Chalmers for a Sustainable Future—permeates all our activities. This vision requires us to be both locally and globally connected and engaged. As a result, international networking, collaboration, and exchange are key priorities in education, research, and innovation.

Chalmers alumni will pursue careers in diverse and globally connected companies and organizations. Therefore, developing and supporting activities that provide Chalmers students with an international perspective, integrated into their education, is essential.

CESIP (Chalmers Engineering Student Internship Program) is a student-led organization that offers Chalmers students the opportunity to gain international and industrial

experience through internships at companies in the US or Canada.

The organizing committee relies on the support of companies and other organizations to ensure the program's continued success. This program plays a crucial role in offering Chalmers students valuable international experience, and I fully support the Chalmers Engineering Student Internship Program.

MARTIN NILSSON JACOBI
PRESIDENT AND CEO, CHALMERS UNIVERSITY OF TECHNOLOGY

About Chalmers

Chalmers University of Technology, located in Gothenburg, Sweden, is a private, non-profit university owned by the Chalmers University of Technology Foundation. Chalmers focuses on research and education across a broad range of engineering disciplines, natural sciences, architecture, maritime studies, as well as technology management and economics. Across its two campuses, Chalmers has approximately 11,000 students and 3,000 employees, offering education from bachelor's to master's and doctoral levels in engineering, science, shipping, and architecture.

Today ranked among the top 100 engineering universities in the world, Chalmers was founded in 1829 thanks to a donation from William Chalmers, a director of the Swedish East India Company. His motto, "Avancez!" – meaning "Move forward!" – remains a guiding principle of the university.



CHALMERS
UNIVERSITY OF TECHNOLOGY





Stories from current Interns

The following pages contain travel stories from our current interns in North America, sharing their experiences, adventures, and reflections.

Dive in to explore how they have embraced new opportunities, discovered unique places, and built memories that will last a lifetime.



Axel Westberg

As luck would have it, I've been given the opportunity to work for the largest cruise line in the world - and in Miami of all places. It definitely seemed really exciting when I first got the offer. But it wasn't until I actually got here that I fully realized how being an intern here at Royal Caribbean Group is a positively fantastic way to spend a year. The people, the work, the city, the weather - let me tell you all about it.

Royal Caribbean Group (RCG) is the parent company of several different cruise lines, including Royal Caribbean International, Celebrity Cruises

and Silversea Cruises. In total, RCG owns more than 60 ships by itself, and additionally have a few joint ventures with other cruise lines. A cruise line is an absolutely massive operation; you'd be hard pressed to find an industry with a more varied set of roles within the organization. The bridge crew, engineers, hotel managers, doctors, performers, artists, chefs - and many more - all work together to bring incredible vacations to our guests.

As interns with an engineering background, we work in the department of Global Marine Operations (GMO). A cruise ship can be said to be divided between its operations as a motorized vessel (and all the engineering behind it), and its operations as a floating hotel (relating more explicitly to the guest experience and interaction). GMO is part of the former, ensuring relevance to our future careers as engineers.

Within the department of GMO, I work as a Product Owner in an agile software development team of nine people. This means I serve as a bridge between the stakeholders, users, and developers in the development of our applications. Our team mostly deals with Business Intelligence apps, for

internal use within GMO. In my daily work, I meet with users all over the department, discussing their needs and requirements for the apps that we de-



Axel Westberg

Area of study
Industrial Engineering and Management

Best memory
Recording a music video with colleagues for an office talent show...

Worst memory
Getting a fever right on the morning of my flight to Miami.

Royal Caribbean Group

Founded: 1968
Number of employees: 100 000

Office location
Miami, Florida

Website
www.royalcaribbean.com

velop, and subsequently working with our developers to produce the best course of action to align with stakeholder expectations. Since we are three Product Owners, and we have over a dozen different apps, we are each given responsibility over specific apps. This creates a sense of ownership over your own projects, motivating you to produce good results for the team and for the department. If you are instead interested in being an IT intern, you will work with programming and actually developing the apps our team supplies. I'm not a developer myself, but we have two previous Chalmers IT interns in our team who after their internship moved back to work full time for the team. This also tells you something about how much our previous interns have enjoyed working for the company!

To me, the work strikes a perfect balance between challenging but not overwhelming, where we work at a good pace but are also able to have fun while we do it. Our office lies in the

port of Miami, which itself consists of a small island right outside downtown Miami. From here, the massive cruise ships come and go every day, picking up excited guests to take them all over the world. Apart from the actual work, which itself is rewarding, the job comes with a whole slew of perks and positive aspects that come together to elevate the whole intern experience here to something really terrific. It includes smaller things - like the fact that the food at the office is good, varied and cheap, saving you time and money from cooking at home, or that the office has their own shuttles taking you from downtown. But also more important things, such as there being a large group of people our age at the office who hang out after work every week, that are very welcoming towards new people. It has made it really easy to make friends, which to me is a really important aspect when moving to a new city. No matter if it's happy hours, tennis, restaurants, going to the beach, or planning parties together, we always have something in

the pipeline. I have no doubt that they will be equally as excited to hang out with future interns as well!

Part of the reason people are so welcoming here is probably because Miami is a really big mix of people of different nationalities. You really don't feel like a foreigner here, because not that many people are originally from Miami anyway, so everyone is out looking to make new friends. In particular, many come from South America, for example from Cuba, Colombia and Venezuela. As such, a lot of them - both people you meet in town or in the office - are bilingual, which creates a perfect opportunity to learn Spanish. I myself study Spanish a couple hours a week, and am soon going to hop on a six-month course.

I arrived here in June, and the summer here gets really hot and quite rainy. But the positive side of that coin is that rather than being cold for the rest of the year, as in Sweden, the weath-



er simply gets better and better. The coldest month, January, has an average high temperature of 25 degrees celsius. Some friends in Sweden sent me some pictures of the yellow leaves in Sweden, and for a minute I was confused - in my mind, it's still summer. No rush ticking off your most longed-for summer vacation activities, because you have a whole year to do it. That's good to know, because Miami is a big city, and there are so many things to do. The different parts of Miami offer different experiences; the 10-mile long beach of, well, Miami Beach, the trendy restaurants and shopping malls of Brickell, the laid back bars of Coconut Grove, the latin influences of Little Havana. Bar-hopping, clubbing, festivals, salsa dancing, shopping, sports events, hitting the beach, you name it. I personally live in Edgewater, located a bit north of downtown, with a waterfront view looking out toward Miami Beach. With the Florida peninsula reaching out into the Caribbean, Miami really is a tropical city, with its palms along the

water and dolphins hopping around in Biscayne Bay.

For more things to do, perks with working at a cruise line means discounted cruises. Why not book a trip to the Bahamas for the weekend (maybe to Royal Caribbean's own private island)? Additionally, when a new ship is launched, the opening cruise is free and employee-only. As one could guess, this results in a really crazy weekend, and is a must while you're here.

The more time I spend here, the more I realize what luck I've had in my choice of internship. Time has flown by in my first couple of months here, and I've learned a lot. I was with last year's interns on their final days here in Miami, and they did not at all seem keen to go back home to Sweden, which goes to show how much we like it here. If you're interested in living in the US, I wholeheartedly recommend applying for an internship at RCG.

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Clara Dahl

Sitting in a rainy Gothenburg in February and finding out you are going to southern California for 6 months, quite a motivator to get through the last semester of your bachelor's! My expectations for this trip were sky-high, shaped by countless movies and TV shows depicting California as a paradise of long



Clara Dahl

Area of study
Civil Engineering

Best memory
Sunrise in Yosemite

Worst memory
My car getting broken

beaches, breathtaking sunsets, and happy people. I'm happy to report that my experience has truly lived up to those ideals. Moving to the other side of the world was not an easy decision, it can be scary and you have about one million things to think about. Yet, despite the challenges I faced—including having my car broken into just two weeks after I arrived—I have not regretted this decision for a moment. That alone says a lot!

After the 11 hour flight from Copenhagen I finally arrived at LAX, eager about the adventure that was in front of me, just one last step, getting through the border control. As expected everything went smooth and I managed to get an Uber to take me from the skyscrapers of Los Angeles to the suburbs of Orange County, which is where I will live for the next few months. I have heard horror stories about previous CESIP members finding housing, but luckily for me I was able to take over last year's CESIP intern Alice's room which saved me a lot of trouble.

When I first arrived in the OC in July, one of the first things I noticed was,

PACE advanced water engineering

Founded: 1987
Number of employees: 80

Office location
Orange County, California

Website
www.pacewater.com

except for the heat, how talkative and welcoming people are, especially at the company I have my internship at, PACE Advanced Water Engineering. Located in Fountain Valley, PACE specialises in providing advanced water resource services. They combine knowledge, creativity, and innovative design approaches to develop engineering solutions that are not only practical but also environmentally sustainable and visually appealing. At PACE I am part of their stormwater division and my everyday tasks primarily consist of flood control analyses and designing solutions to prevent



flooding. I've had the opportunity to work on many exciting projects, gaining valuable experience that I know will serve me well when I return to the rainy streets of Gothenburg. I appreciate the collaborative atmosphere, where teamwork is encouraged and trust is placed in the work we do. Initially, I found it somewhat ironic that I was focusing on flood control in a place that hadn't seen rain since my arrival. However, I've come to understand just how vital PACE's work is in managing water resources effectively.

One aspect of PACE that I truly want to emphasise is that it's much more than just a workplace. The company organises various activities every week, making it easy for me to connect with my coworkers. From hiking and paddleboarding to trivia nights and more, these events have allowed me to form friendships and feel part of a community. They also took me to see my first baseball game to make me feel like a true American, safe to say that was probably my first and last baseball game ever.

As most of the CESIP members, I am

committed to making the most of my time here, which means I spend most of my weekends travelling and seeing new places. Southern California is a great place to stay in, not to mention the sunny weather but the best part is that there is so much to do and places to visit here, already after a few months I checked off a lot of my bucket list! It's the perfect place for someone like me that loves nature and big cities. You have famous national parks like Yosemite and Grand Canyon a few hours away, but also big cities like LA and Las Vegas a drive away.

The thing I appreciate most about California is the diversity of nature. So

far I got to see the beautiful beaches in the south, fascinating mountains of Yosemite, the giant redwoods in Sequoia and crystal clear lakes in Lake Tahoe. One other highlight of my time here so far was a trip to Washington with my coworkers; Hiking Mount Rainier surrounded with the most beautiful views I have ever seen is something I'll never forget.

Moving to the other side of the world alone can be scary and you have about a million things to think about, but I would do it all over again if I ever got the chance. I want to thank PACE for the opportunity for this internship and welcoming me with open arms.



I am grateful for all the people I've met and all the incredible places I had the chance to explore during my time here. With a few months still ahead of me, I'm excited to see what else the OC and the rest of the U.S. have in store!

CLARA DAHL



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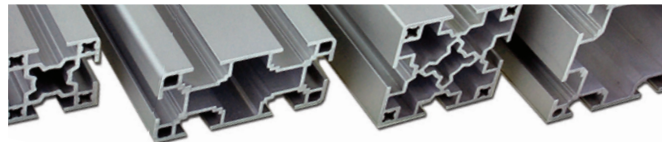
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ATECH



Erik Rudberg & Nadia Borrbring

How did we get here? Physically, it was by airplane. But sometimes the body arrives before the mind catches up. Waking up each day on the other side of the Atlantic, in Huntsville - Rocket City - still feels surreal. We're adjusting, and



Erik Rudberg

Area of study

Industrial Engineering and Management

Best memory

Eating pudding and drinking wine at an elderly couple's home.

Worst memory

Living in a hostel for the first two weeks.

everything is gradually becoming more familiar; the weather, driving everywhere, sharing dinner with strangers, listening to country music, going dove hunting, or watching bull riding. What a journey it has been, and what a journey still lies ahead.

Our journey started more than half a year before our preliminary start date. Consisting mainly of the process for obtaining our visas and everything else that was required to spend a year in the US, in Alabama. Whilst amid this process, we got a surprise text from a guy called David in a messenger group chat; "I'm looking forward to working with you guys, want to grab a beer someday?". Naturally, we were confused about who this David fellow was, but of course, both of us said yes.

ATECH is an aircraft arresting system company. When people ask what that entails we usually answer: "On an aircraft carrier, have you seen the wires that catch the planes landing? We create those along with the brakes for land-based usage. For emergency, small or temporary runways - like turning a road into a runway during conflict". We're a company of 22 people with an engineering crew of around

40 back in Sweden. We're a subsidiary of a Swedish company, SCAMA AB, founded in 2005. David used to work at this mother company, SCAMA.

On two occasions David saw strangers walk into interviews at the office in Väderstad, Sweden. Afterward, he asked the boss who we were, and after figuring it out he further inquired if he could come along. Both of us are

ATECH Inc

Founded: 2005

Number of employees: 22

Office location

Huntsville, Alabama

Website

www.atecharrestors.com

students of Industrial Engineering and Management from Chalmers University of Technology, taking a sabbatical between our bachelor's and master's. David has finished his studies, he also used to study at Chalmers - a fun surprise. Now, there were three of us.

Two weeks before our preliminary start, on the first of August, Nadia's visa got stuck in an operational deadlock, ultimately delaying her trip for five weeks. Fortunately, sending emails to the Congressman and the Senator of Alabama did the trick, albeit with delay... For Erik and David, the arrival weeks were intensely marked by rental cars, hostels, bank visits, social secu-



Nadia Borrbring

Area of study

Industrial Engineering and Management

Best memory

Roadtrip to Nashville and exploring the city with friends.

Worst memory

Having visa issues that postponed my trip.

rity office visits, apartment visits, and frantic car-related searches on the Facebook marketplace.

You can imagine how good it felt for us to finally step into our (then) fully-carpeted empty home, driving our Buick Custom Lesabre from 2002 (nick-named "Granny" after the grandma who used to own it) and getting the place fixed up. With Nadia arriving a few weeks afterward, the fun was about to begin. Being settled in Huntsville meant we could now fully enjoy our work, experiencing the city and venturing out for small adventures.

But what is Huntsville like? *Sweet Home Alabama*, is a concise way to describe it. A more elaborate description would start with the nickname - Rocket City. Huntsville is home to the Marshall Space Flight Center where much of the Saturn V rocket was designed, which took mankind to the moon. The city is still largely dominated by aerospace and military technology with the US Army "Redstone Arsenal" being a major influence. This has led to Huntsville being a pearl in the south, having the highest PhD concentration in America, and being more metropolitan than what Alabamian stereotypes might imply.

Huntsville is surrounded by stunning natural beauty and is conveniently close to larger cities like Nashville, the heart of country music, and Memphis, the birthplace of rock and roll. The area's diverse landscapes include lakes, rivers, caves, waterfalls, and forests, making it a perfect destination for nature lovers eager to explore the great outdoors. Popular spots like Monte



Sano State Park and the Tennessee River offer hiking, camping, and kayaking, providing opportunities for adventure.

In some major ways, life in Sweden and the US differ. The hardest part to get used to is driving everywhere. There is next to no public transportation, sidewalks, or bike lanes, and most roads have more than three lanes. To cross the street, you need a car! Religion is also more present than in Sweden. Churches dominate all streets and Christianity has a huge impact on everyday life - radio, going to church, bible study, etc. Politics is also ubiquitous, in part due to the election of 2024. The best aspect, though, is that people are more social. Southern Hospitality has led to us being invited to eat dinner with strangers on more than one occasion. Sweden would do well with more of that.

Everyday life in Huntsville is filled with small adventures, meeting new people,



and trying new things. When we finally started our year-long project of becoming tennis experts, we met a couple of guys on the court and asked if they were any good at the game. One thing led to another, and now we've formed a solid friend group, spending time together playing tennis, drinking beer by the pool at our apartment complex (living the dream!), watching baseball, and attending events like the Redstone Arsenal Oktoberfest.

Work has been equally rewarding. Neither of us had worked at a small company before, so it's exciting to contribute to meaningful tasks and directly discuss process improvements with our boss. The best part about working at a smaller company is that we get a lot of trust and responsibility. We've been working both together and independently on a range of projects. Everything from IT, cybersecurity, process improvements, and internal audits, it's been a great learning experience. The company, founded in Huntsville in 2005, has given us opportunities to grow and contribute.

During our first few months here in the US, we've had some unforgettable experiences. One standout moment happened while we were exploring the wine bars in Huntsville. We struck up a

conversation with two delightful older women who were out enjoying a drink. Before we knew it, we'd been invited over for banana pudding and wine at one of their homes, and to Thanksgiving at the other's!

The banana pudding was delicious, and the evening was filled with fascinating conversations—the husband was a statistics professor, and the wife, was a project manager at Boeing. Building connections with such wise and accomplished new friends felt almost like finding a second family. We're truly grateful for their kindness and generosity.

Another memorable experience was when Nadia went to a local farmers market and struck up a conversation with a woman who, as it turned out, was a prominent figure in Huntsville's fashion scene. One thing led to another, and before we knew it, we were sitting front row, watching as Nadia walked the runway at Alabama Fashion Weekend. It was an exciting, completely unexpected experience for all of us, and a lot of fun! We also made some connections. One particular connection we made led to something quintessentially American. This took place at a car show when we stumbled upon an old Volvo from the 1960s. David, being



the car enthusiast that he is, struck up a conversation with the owner, and a few minutes later, we made a new friend. What was this American experience? You guessed it - shooting guns for the first time. Our new friend invited us on a dove hunt, and although we weren't exactly sharpshooters, we had a blast. After all, no stay in the US would be complete without a little time at the shooting range!

Our biggest adventure in the US so far was visiting Washington, DC, over Labor Day weekend. We set off early Friday afternoon and drove the first 10 out of the 13 hours through Tennessee and Virginia, making a necessary stop at Buc-ee's—the world's largest gas



station chain (only in America!). With great music and conversations, the drive flew by. We made a stop for the night in New Market, at 2 AM, both of us sleeping for the last four hours, thanks to David who drove the final stretch. The next day, we took the scenic route through Shenandoah National Park, winding through the mountains. Along the way, we had quite the adventure: we met a monk, got pulled over for speeding, had our car battery die, and still managed to have a great time—yes, all of the above! We got the car fixed just in time to continue to DC.

Once in the capital on Saturday, we made the most of our visit. We toured the Capitol, then walked the National Mall, checking off sights like the Capitol Building, Lincoln Memorial, World War II Memorial, Vietnam Memorial, Washington Monument, and the White House. We wrapped up our day with a nice meal and a fun night out! Sunday was dedicated to museum hopping at the Smithsonian. We especially loved the Natural History Museum and the American History Museum. We also explored the charming streets of Georgetown.

On Monday, it was time for the long drive back—a 15-hour journey with breaks, including stops at Luray Caverns

and the stunning Natural Bridge. By the time we got home, we were absolutely exhausted, but the adventure was well worth it. There's something special about road trips in the US. Distances somehow feel shorter than in Europe, and the journey itself becomes part of the experience. It's one of those things you just have to do while you're here!

And with only three months into our adventure, there's still so much more to come. We've already lined up trips and activities that could easily fill the next 2 years! We're heading to San Francisco, where Erik will take part in the winery scene and Nadia will meet up with other people that were a part of CESIP and explore the city. We're soon heading to Florida to visit the Kennedy Space Center, Disney World, and the historic city of St. Augustine—a place that's been around since 1565, even longer than the US itself. For Thanksgiving, Erik is going to Phoenix, Arizona, while Nadia will be celebrating in Pennsylvania, Pittsburgh. We've planned to ring in the New Year in New York City, and of course, we have countless plans for visiting the beautiful nature and the closer cities around the area.

Oh, and let's not forget—we're about to experience our first US election! As you can imagine, we're staying pretty busy.



Though leaving Sweden for the US was a tough decision, it turned into an adventure we wouldn't trade for anything. As Mark Twain wisely said:

"Twenty years from now you will be more disappointed by the things you didn't do than by the ones you did do. So throw off the bowlines. Sail away from the safe harbor. Catch the trade winds in your sails. Explore. Dream. Discover"

ERIK RUDBERG
NADIA BORRBRING





Evelina Svorén

Moving to the United States has been a dream of mine ever since I first studied there in 2019. Over the years, the idea of coming back, this time to work, grew into a vision that I carried with me every day. When I finally got the opportunity through CESIP to work in San Francisco, I could hardly believe it. It was a mix of joy and disbelief. Sitting on the plane, the excitement was undeniable. I had packed not only my belongings but also years of hopes and dreams. Now, it was finally time to step into a new city, a new culture, and a new work life. Every part of the journey felt like it was adding to a story I'd been waiting to live out.

When I first arrived in San Francisco, I knew the city would be exciting to explore and live in. I had no idea, though, how much this year would truly offer. San Francisco has a special energy, a perfect blend of urban excitement and the calm of surrounding nature. Those first days were a balancing act, settling into a new lifestyle while trying to navigate the work environment. But as soon as I started exploring the city's unique neighbourhoods, charming shops, beautiful landscapes, and nearby towns,

a deeper love for San Francisco began to take root.

From the iconic cable cars to the steep, winding streets, San Francisco offers a feeling unlike any other city I've visited. Neighbourhoods like the Mission District and Cow Hollow are buzzing with life, yet a park or beach is always close by. I quickly developed a favourite habit, grabbing a coffee to go and taking a stroll along the coast. It gives me a moment to unwind and enjoy nature's serenity amidst the city liveliness. On weekends, I love meeting friends for dinner and wine in one of San Francisco's beautiful parks. Dolores Park is a fantastic choice! The views, energy, and sense of community there really make it stand out..

Starting my worklife with Monte Stott has been an adventure of its own. During my first week, I was already out on site visits, creating drawings in AutoCAD, drafting contracts, and sending invoices. Each day has been a new learning experience. My colleagues have been incredibly welcoming and supportive, and Monte himself has proven to be more than just a boss. He's a mentor

who genuinely shares his knowledge and insight. When he assigns tasks in AutoCAD, he often takes me to the site to show how the drawings come to life in practice.



Evelina Svorén

Area of study
Civil Engineering

Best memory
Roadtrip to Napa Valley, breathtaking scenery

Worst memory
Paying rent in San Francisco!



This has given me a whole new perspective on the importance of every detail. A small change on a drawing can translate to major work on-site. I'm grateful for his guidance and for how he constantly reminds me that I'm capable of achieving anything. My colleague Jessica has also been invaluable. When I struggled to find housing, she offered me a place to stay. She's introduced me to San Francisco's nightlife, taken me to concerts, and stand-up. My other colleagues Richard, Nathaniel, Kirstel, Fernando have been a great support and always made me feel welcomed!

San Francisco's surroundings are unbeatable, and no week is complete without a bit of exploring. Just an hour's drive away, you'll find towering redwood forests. Napa Valley, with its wine tasting, is only a short trip away. I've started a list of places I want to visit and do my best to check off something new each week.

My next goal is to return to New York City, a place that holds a special significance for me. It's a city that has long been a source of inspiration and dreams, especially during my time studying in the US back in 2019. At that time, I envisioned myself living and working in America, immersed in its vibrant culture and dynamic work environment. Going back to New York will serve as a powerful reminder of those dreams and the journey I've undertaken since then.

As I plan this trip, I'm also excited about the possibility of celebrating Thanksgiving with a friend from CESIP and her circle of acquaintances. This will not only be an opportunity to indulge in the warmth of this cherished American holiday but also a chance to deepen my understanding of the customs and traditions that surround it.

Participating in this holiday gathering feels like yet another dream coming to life. I am eager to engage with new friends, share stories, and enjoy the spirit of gratitude that characterizes Thanksgiving. I believe that each cultural experience is an opportunity for growth and understanding, and I am looking forward to immersing myself in the traditions that define this holiday.

Returning to New York will not only help me reconnect with my aspira-

Monte Stott & Associates Inc

Founded: 1985

Number of employees: 7

Office location

San Francisco, California

Website

www.montestott.com

tions but also allow me to embrace the diverse tapestry of cultures that make the city so special. It's a chance to celebrate the past while also stepping into the future, reinforcing my commitment to pursuing my dreams and creating meaningful connections along the way. The anticipation of this trip fills me with excitement, as I prepare to revisit a city that has inspired me and to share experiences that will undoubtedly shape my journey even further.

Looking back on these first few months, I can already say San Francisco holds a special place in my heart. The combination of the city's energy, the surrounding nature, and new friendships makes every day feel like an adventure.

EVELINA SVORÉN





Lisa Holländer

When I boarded the plane and began my journey to the US, a wave of panic swept over me. Questions filled my mind: How would I navigate the airport to find my way to the apartment I had rented? Would the apartment even exist? These thoughts consumed me during the short flight from Gothenburg to my layover in Iceland. However, as I arrived in Iceland, an email from John Gipson, the President of NVI Inc., greeted me. He assured me he would pick me up at the airport and drive me to my apartment. This moment set the tone for my internship: feeling nervous and uncertain, only to be met with the incredible kindness and thoughtfulness of my new colleagues and friends. But let us start at the beginning.

It was mid-March when Lisa and I received the email from John Gipson offering us a summer internship at NVI Inc. I was both surprised and thrilled. NVI is a small company specializing in Very Long Baseline Interferometry (VLBI), a technology used for space geodetic applications. NVI has been a key contractor at NASA's Goddard Space Flight Center (GSFC) for three

decades, contributing to NASA's Space Geodesy Project. The company's work focuses on cutting-edge science, and



Lisa Holländer

Area of study

Automation and
Mechatronics

Best memory

Watching the 4th of July fireworks in the National mall

Worst memory

Taking a bus with no AC to New York in 40-degree heat

I was excited to contribute to it. My journey started with a warm welcome from the NVI team. Before we had our security badges to enter the GSFC campus, one of the team members would stop by the off-campus office each day to keep us company and guide us. This thoughtful gesture extended beyond work. John introduced us to local life in Maryland and Washington, DC, sharing quirky anecdotes, like how Maryland jokingly responded to Virginia's "Virginia is for lovers" slogan with "Maryland is for the crabs." He also explained the origin of the black squirrels in DC—escapees from a gift from a zoo in Canada. Meanwhile, Cynthia patiently explained the nuances of tipping culture and Maryland's passion for crabs. Our colleagues Dirk, Kyla, Karen, and Sergei rotated lunch outings, sharing their favorite spots. The Silver Diner, with its classic American vibe and jukebox, quickly became a personal favorite.

Once we received our NASA security badges, a new chapter of the internship began. We started working from the GSFC campus, where we had the chance to meet all of NVI's employees



and interact with NASA staff involved in VLBI projects. One memorable highlight was a tour of the Goddard facilities led by our colleague Dirk. He showed us various buildings and gave us a sneak peek at the Roman Space Telescope under construction.



A cherished tradition at NVI is the weekly team lunches. John introduced us to several local gems, including an incredible South Indian restaurant. Once a month, someone in the group would choose a unique spot for lunch. When it was my turn, I relied on Cynthia for suggestions and discovered Jerry's Seafood, home to the famous "crab bomb."

Our work involved continuing a project started by previous interns, Tuss and Ludvig. Our task was to advance their research and develop new findings in VLBI applications. At the end of the internship, we were expected to present our work to the team, which was both an exciting and daunting prospect. Thankfully, we had support from the team throughout the process.

While previous interns had stayed with a couple named Jaime and Daniel, renovations led me to seek my own housing. I found a room in an off-campus housing complex for the University of Maryland. Living with three roommates turned out to be a delightful experience. Our evenings were often spent sipping tea and chatting about everything from work to weekend plans. The location was perfect—a short bike ride to the metro station, which connected to the bus stop for the Goddard Express.

Outside of work, Lisa and I discovered the history and culture of Washington, DC. One of my most memorable experiences was visiting the National Mall for the first time. Walking among

iconic landmarks like the Washington Monument and Lincoln Memorial gave me a profound appreciation for the city's history. We also spent time exploring the Smithsonian museums, which were both free and fun. One sunny afternoon, we joined my roommate at a Nationals baseball game. It was my first experience with the quintessential American pastime, and the lively atmosphere, food stands, and cheering fans made it an unforgettable day.

NVI Inc

Founded: 1992
Number of employees: 7

Office location
Greenbelt, Maryland

Website
www.nviinc.com

We also managed a weekend trip to New York City. The vibrant energy of the city was an unforgettable contrast

to the serene, research-focused environment of Goddard. Closer to home, Dirk organized an excursion to ensure we also experienced the natural beauty of Maryland. We went for a hike in Great Falls, exploring trails, taking in scenic views, and watching some truly daring kayakers. This was followed by a lunch in Leesburg, a visit to a vineyard in Virginia, and a tour of a historic building!

Looking back, my time in the US was transformative. What started as a journey filled with nervous anticipation became one of the most rewarding experiences of my life. The kindness of my colleagues and roommates, the exciting work at NVI, and the cultural experiences all combined to make this internship an unforgettable chapter of my life.

LISA HOLLÄNDER



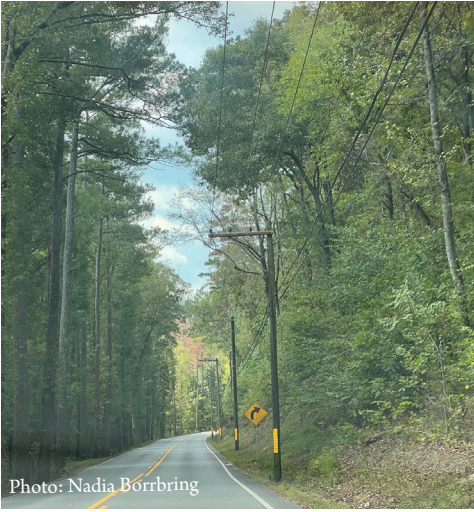


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Photo: Axel Westberg

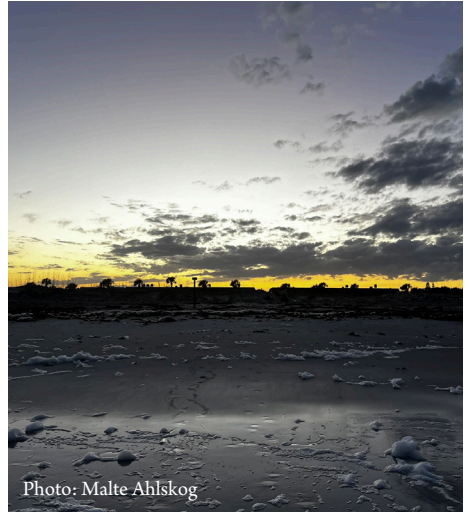


Photo: Malte Ahlskog

More photos from our interns



Photo: Nadia Borrbring



Photo: Clara Dahl

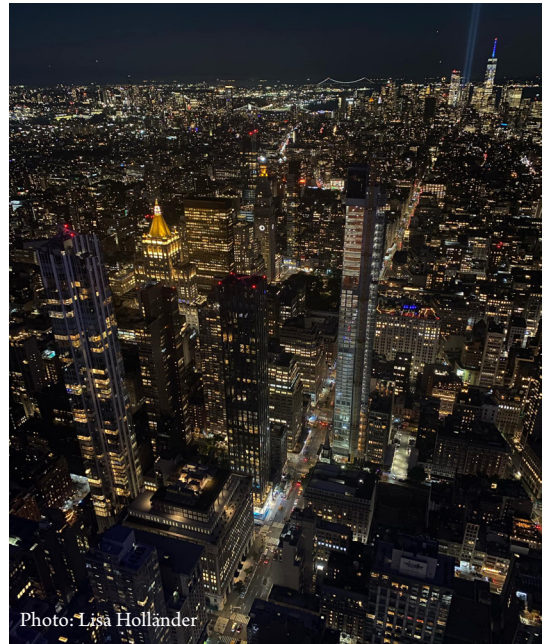


Photo: Lisa Holländer



Photo: Lisa Holländer



Photo: Erik Rudberg



Photo: Malte Ahlskog



Photo: Malte Ahlskog



Photo: Evelina Svorén



Photo: Evelina Svorén



Photo: Nadia Borrbring

Cathedral
Caverns
↙



Photo: Evelina Svorén

Koncert Benson
Boone
↘



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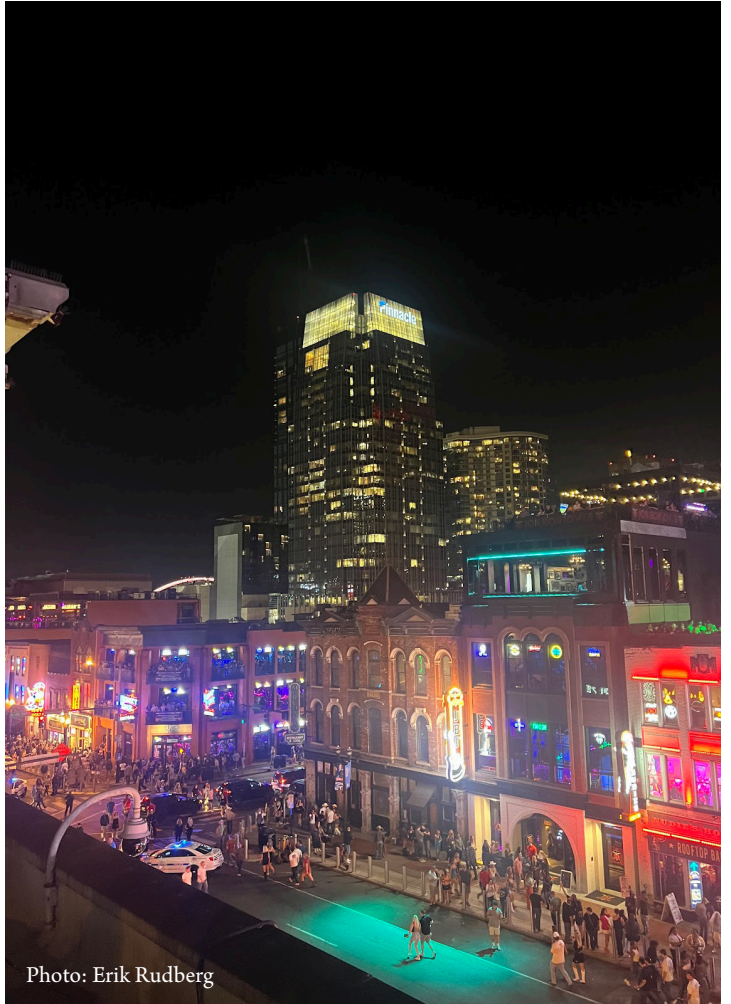


Photo: Erik Rudberg

Nashville ↑



Photo: Lisa Holländer



Photo: Evelina Svoren

For more insights and updates...





Lisa Vind

After being picked up at the airport by Daniel and arriving in Greenbelt outside of Washington, D.C., I was welcomed by Jaime and Daniel with a home-cooked meal. It was a heartwarming welcome that set the tone for my summer internship at NVI Inc., where I worked together with Lisa Holländer.

NVI Inc. is a contracting company for NASA that works with Very Long Baseline Interferometry (VLBI). In VLBI, antennas on Earth observe and measure radiation from the same celestial object. Although these sources are often treated as point-like, they do have a structure, which introduces measurement errors in VLBI observations. During the summer, Lisa and I worked on continuing the work of Tuss Anzelius and Ludvig Rodung, two former CESIP interns (see their internship report from 2022). They modeled VLBI source images as a sum of Gaussian distributions, and from these models we calculated the group delay, which represents the error caused by the source’s structure. A big part of the summer was spent analytically solving

equations, including Fourier transform integrals. We then implemented our analytical solutions into the software developed by Tuss and Ludvig. Additionally, we introduced a new coordinate system based on the physical coordinate system of the source under observation and developed a new user interface. This was both challenging and rewarding, and I learned so much during the internship.

It was especially rewarding to get to know our new colleagues and the people working at NASA. Thanks to Kyla and other colleagues, Lisa and I got access badges to NASA and could work from Goddard Space Flight Center (GSFC) from the third week of our internship. Located just outside Washington, D.C., GSFC is a major NASA research laboratory, employing roughly 10,000 people, comprising about 3,000 civil servants and 7,000 contractors.

So, what was it like to do an internship at NVI Inc. and to work at GSFC? Every afternoon around 4 PM, we enjoyed tea time with Leonid in his office, often joined by other colleagues.

Wednesdays were dedicated to “NVI Lunch,” where we explored various restaurants in the area—my personal favorite was Osaka! Thursdays brought a local farmers market to the Goddard



Lisa Vind

Area of study
Global Systems Engineering

Best memory
Guided tours at Goddard Space flight center

Worst memory
Biking to the social security office

Campus and Lisa would buy chocolate chip cookies and fruit. There are also food trucks coming to GSFC and there is even a subway! And of course the NASA gift shop where we got NASA merch!

A big highlight of the summer was the guided tours we got at Goddard, both from colleagues and people we met and reached out to during our summer. We got to see a VLBI antenna and one of the largest clean rooms where they were building the Nancy Grace Roman Space Telescope. We were also lucky to get a full guided tour on how NASA missions are conducted from start to finish. This included an inside look at the stages of building and testing, as well as the control rooms used to monitor satellites after launch. Thank you to David, Dirk, Katie and Naomi for the amazing tours!

Like previous interns, I stayed with Jaime and Daniel in Old Greenbelt. It is a small community that has everything: a grocery store, movie theater, restaurants and even two world-famous utility poles. Some of the best moments this summer were spent cooking, playing board games, and strolling around the lake with them. Their cat, Whiskey, added to the fun with his amusing habits of knocking things off counters, trying to escape, and munching on grass like a little cow! I'm truly grateful to Jaime and Daniel for welcoming me into their home and for allowing me to be their summer Swede!

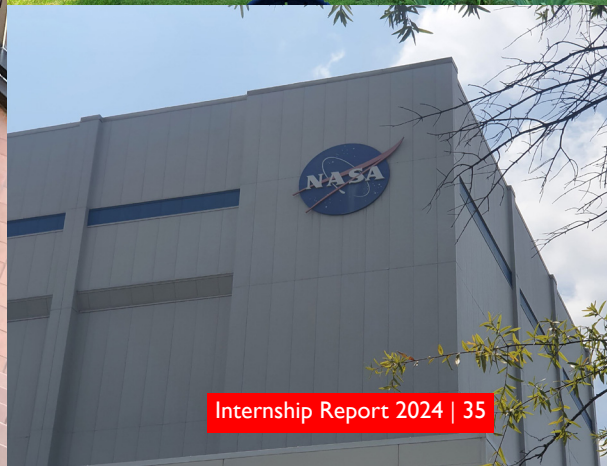
LISA VIND

NVI Inc

Founded: 1992
Number of employees: 7

Office location
Greenbelt, Maryland

Website
www.nviinc.com





Malte Ahlskog

When I first arrived in Saint Augustine to begin my internship at Amerden, I was filled with excitement but also a touch of loneliness. Moving alone to a new country can be daunting, and it took some time to adjust. However, as I settled in, I began to embrace the challenges and appreciate the unique opportunities that come with exploring a new place on your own.

Working at Amerden has been an incredible experience. The company is small, with a close-knit atmosphere that allows interns to get involved in

real projects from day one. I've had the chance to work on a wide range of tasks while receiving guidance and encouragement from seasoned professionals. The level of trust and responsibility Amerden gives its interns is perfect for someone coming from Chalmers, where curiosity and drive are required in order to overcome academic challenges. Even though I have only been here for about two and a half months, I already feel like a regular employee and a valued part of the team. My colleagues include me in discussions and decision-making, which makes me feel like I belong. Knowing that my contributions are recognized and appreciated is really motivating.

One of the most exciting parts of my time here has been the travel. Amerden has customers and partners from all over the U.S., and during my two and a half months here, I've seen parts of Ohio, Georgia, South Carolina, and North Carolina. It's been fascinating to see how much variety there is in the landscapes, culture, and even the way people speak. Every place has its own vibe and unique charm. The travel has

not only given me a break from routine but also deepened my understanding of this place, making the whole experience even more rewarding.



Malte Ahlskog

Area of study
Automation and
Mechatronics

Best memory
First time (attempting to) surf

Worst memory
Visa not being approved for
my buddy...

Amerden Inc

Founded: 1988
Number of employees: 15

Office location
Saint Augustine, Florida

Website
www.amerden.com



Outside of work, I found a sense of community at the local Gracie Barra gym. Joining the Brazilian Jiu-Jitsu classes there turned out to be a game-changer. The people I met were open and friendly, welcoming me into the fold from the first day. I've noticed that Americans, in general, are very open and approachable, which has made it easy to connect with others and has added a lot to my experience. The training has not only helped me stay active but also given me a hobby



and an outlet to make friends. It's refreshing to be in an environment where everyone is there to learn and support each other, no matter their level of experience.

Saint Augustine has really grown on me. Its laid-back vibe is part of what makes it unique. I've started to appreciate the slower pace, allowing me to explore at my own pace and enjoy the little things, like wandering through the historic downtown or relaxing by the water. Living here has also led to some adventures, like fleeing from a hurricane and trying out shooting guns at the local gun range. One of the highlights of my time here has been my first attempt at surfing. Finally managing to catch a wave and stand up was an exhilarating experience! It was a great challenge, and I definitely have my work cut out for me as I try to master the waves. While Saint Augustine may not be filled with constant action, it offers the opportunity to create your own excitement or just unwind, depending on what you're in the mood for.

Reflecting on my time here so far, I realize how beneficial it's been to start this journey alone. Being on my own at first allowed me to fully immerse myself in the local culture and build connections in a more genuine way. Every small challenge, from navigating the unfamiliar streets to tackling new projects at work, has contributed to my growth. I am learning that sometimes, the most meaningful experiences happen when you step out on your own, take on the unknown, and trust yourself to make the most of it.

If you're ever considering an internship at Amerden, my advice is to take the leap. It's a place where you'll be encouraged to contribute, trusted with real responsibilities, and welcomed into a community that makes even a small town in Florida feel like home.

MALTE AHLKOG



Greetings from the Board of CESIP 2025

CESIP is an organization that is both remarkably young and yet deeply rooted in a rich heritage. With its predecessors, CETAC and AMCIP, established in 1966 and 1963 respectively, CESIP boasts over 100 years of combined experience in arranging internships for Chalmers students. We are proud to carry this legacy forward.

First and foremost, we extend our heartfelt gratitude to everyone who supports CESIP, ensuring the program's ongoing success. Special thanks go to the CESIP 2024 board, and most importantly, to the companies in North America for making these unique, life-changing experiences a reality. We are excitedly looking forward to another year of collaboration!

As we take the baton forward, one of our key objectives for the upcoming year is to enhance CESIP's visibility on campus. It would be truly unfortunate if potential applicants missed the opportunity to join simply because they were unaware of our organization and its mission. At the same time, we will continue to nurture our longstanding relationships with our Swedish, US, and Canadian partners while forging new connections.

Lastly, we extend our sincere thanks to our current members for their incredible efforts so far, and we look forward to another year of working together with enthusiasm and dedication.

THE BOARD OF CESIP 2025

Board of 2025

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