Erik Thorsell

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Experience

May '19–*present* — **Continuous Deployment**, Ericsson, Gothenburg.
Currently assisting Ericsson in their new Continuous Deployment endeavour. The goal is to automate the procedure from code to customer and back, ensuring continuous deployment of up-to-date software with a short customer-feedback loop.

Jun '18–May '19 — **Software Developer**, Volvo GTT, Gothenburg.
I was part of the Vehicle Automation group and took part in taking Volvo GTT to the next step within automated trucks, buses, and construction equipment. My team — Transport Missions and Route Management — was tasked with fleet management, planning, and communication. My role at VA mostly concerned setting up the continuous integration tool chain for the Java based products at VA.

Jun '18–*present* — **Software and Business Area Developer**, HiQ, Gothenburg.
As a developer at HiQ I have the ability to work with an abundance of customers in a wide variety of fields. Furthermore, I am responsible for our CI/CDD and AI/ML business areas; advising our sales department and developing new products used by our developers. Technology concerns everyone and my role is to bring my expertise and positive demeanor to our customers and help them in whatever way I can.

Sep '17–Dec '17 — **Machine Learning Engineer**, Machine Intelligence Sweden, Gothenburg.
Focusing mainly on the product Science Router, a search engine that will allow for companies and researchers to find competence in accordance to their needs. I was equally involved in all steps of the development chain, from data mining to algorithm programming.

Summer 2017 — **SW Development and Operations**, Volvo Cars, Gothenburg.
Was selected to be part of Volvo Cars' Engineering Student Concept (VESC) Programme. As part of the "tools team" (the tools were mainly Jenkins, Batch, Python and Matlab), I helped maintain and develop the in house "Software Factory" (SF). During the summer I, among other things, converted the Jenkins part of the SF to Declarative Pipelines and automated a series of tasks, freeing up hours for the developers.

Oct '16–Apr '17 — **SW / FW Developer**, NEVS, Trollhättan.
Along side my master studies I worked for National Electronic Vehicle Sweden. My work was conducted at the SW/FW department and was concerned mostly with BMS modelling, and visualization of said models. During this period I developed a GUI for such a BMS-model, using Matlab GUIDE.

Summer 2016 — **Intern**, NASA, NVI Inc., Greenbelt, MD.
During a 10 week internship at Goddard Space Flight Center I worked alongside two other interns on two software projects. Our work resulted in a new way for the VLBI groups all over the world to calculate slewing models for their antennas.
Link to work: `http://bit.ly/2c9ORv7`

Aug '14–May '16 — **Supplemental Instructor**, Chalmers University of Technology, Gothenburg.
The role of a "supplemental instructor" is to help students to teach themselves by providing the students with material that challenges them, and then guide them through their work.
I have instructed all of the math courses given at the computer science program.

Education

Aug '13–Jun '18 — **BSc, MSc, MScEng**, *Computer Science*, Chalmers University of Technology, Gothenburg.
I hold a BSc and an MScEng in computer science and engineering. My MSc concerned *Computer Science, Algorithms, Languages and Logic* and I concentrated my studies to machine learning, artificial intelligence and optimisation.
Theses: BSc: `http://bit.ly/2g04d3q` & MSc: `https://bit.ly/2tHBCZD`

Aug '11–Jun '12 **Team Training School West (TTS)**, Dalkarlså Community College, Dalkarlså.

Dalkarlså
folkhögskola

A theological education with emphasis on leadership. Not only did the education cast light upon the complexity that comes with organizing a large community, I also got a better understanding of the importance of structuring my own everyday work.

Positions of Responsibility

May '17–Jun '18 **Chairman**, Chalmers Software Craftsmanship Guild, Chalmers Uni. of Technology.

Elected as chairman for Chalmers' newly founded society, focused on open source software development and capture the flag competitions.

Aug '15–May '16 **Commissioner**, The Educational Advisory Council, Chalmers Uni. of Technology.

Elected as a member of the educational advisory council at Chalmers University of Technology, responsible for the communication between the students and the professors. During my year on the council I improved my ability to "make a case", both for myself and those I represented.

Jan '15–May '16 **Student Ambassador**, Chalmers Com & Ad, Chalmers Uni. of Technology.

As an ambassador for Chalmers University of Technology I attended exhibitions and schools representing both Chalmers and my program of study, Computer Science. I was able to work more on my "public speaking skills" and to "sell my school and program".

Tools and Languages worth highlighting

Jenkins Experience building applications written in Java, Python, Javascript, and C++. I also have experience with JCasC as well as hosting Jenkins and its agents in Docker swarm.

Spinnaker Orchestration tool that we used at Ericsson to deploy software in their customers' network. An open source product originally built by Netflix tailored to CDD.

Docker Used both professionally and for personal projects. I used Docker when I setup the CI/CDD tool chain at VA, to allow for versatile deployments and ease of maintenance.

Artifactory Version Control is key. I have spent a lot of time thinking about and implementing version control at different companies. When versioning binaries I have mostly used Artifactory.

Python My language of choice. I have used Python everywhere when it's been my decision: NASA, MIS, Volvo, Ericsson. Python is also my choice for most of my personal projects.

Tensorflow Tensorflow has come to be my machine learning library of choice when doing for instance image classification and reinforcement learning.

Java Have experience developing Spring Boot applications for Java in a micro service architecture. My assignment at Volvo GTT concerned backend Java development to a large extent.

Scripting If I find myself doing a task more than once I will look into the possibility of scripting said task. These scripts I often write in Bash, but I also have experience with Windows Batch Scripting.

Operating Systems Comfortable using: Linux, macOS, BSD and Windows.