Erik Thorsell

Education

2016–2018 (est.) **M.Sc.**, *CSALL*, Chalmers University of Technology, Gothenburg.
My studies at the Computer Science, Algorithms, Languages and Logic program will be concentrated on artificial intelligence and the sciences concerned with such studies. I hope to acquire a deep understanding of the subject that will entail the possibility to either continue my studies as a PhD student or work with development in the industry.
GPA: 4.5 / 5

2013–2016 **B.Sc.**, *Computer Sc. & ENGG*, Chalmers University of Technology, Gothenburg.
A broad education that teaches everything from calculus and control systems to databases and FPGA programming. The education exposed me to the diverse and complex field of CSE and gave me opportunity to try bits and pieces from all parts of the field.
GPA: 4.4 / 5
Thesis: `http://bit.ly/2g04d3q`

2011–2012 **Team Training School West (TTS)**, Dalkarlså Community College, Dalkarlså.
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, scheduling ahead and being thorough in all of my work.

Experience

2016–present **Engineer**, NEVS, Trollhättan.
Along side my master studies I work part time for National Electronic Vehicle Sweden. My work consists of all sorts of tasks, hence the ambiguous title.

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/2c90Rv7`

2014–2016 **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 the first year at Chalmers' computer science program: Introduction math, discrete math, linear algebra and single variable analysis.

2013–present **Chauffeur / Seller**, Åkes Äkta Hönökaka, Gothenburg.
Delivering products from our bakery to our customers, primarily various grocery stores. An optimistic attitude is a must when your workday starts well before six in the morning and you are faced with everything from morning traffic to grumpy personnel.

2011–2012 **Substitute Teacher**, Eriksdal Elementary School, Skövde.
Worked part time, while studying at Dalkarlså Community College, mainly with children from the ages six to twelve years old. Working with children is difficult and my position as a substitute taught me to be patient.

Positions of Responsibility

2015–2016 **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.

2015–2016 **Student Ambassador**, Chalmers Com & Ad, Chalmers University of Technology.
Ambassador for Chalmers University of Technology, attending exhibitions and schools representing both Chalmers and my program of study, Computer Science.

2011–2012 **Commissioner**, The Technical Committee, Municipality of Skövde.
Elected as alternate member of the technical committee in the municipality of Skövde where I served one year representing "Miljöpartiet de Gröna", the Swedish Green Party.

Computer skills

VHDL Designed a RISC CPU, and configured an FPGA with said CPU, during the course Digital Design.

Haskell Wrote a type checker and interpreter, as well as a code generator in Haskell for the course Programming Language Technology.

Fortran During my internship at NASA this was the main language used as we rewrote the I/O part of Calc/Solve.

Java Most commonly used language during my B.Sc. in which I for instance have implemented data structures, sudoku solvers and path finding programs for community transits.

Bash If I find myself doing a task more than once I will think of the possibility to script that task. Those scripts, I write in bash.

Erlang Created an IRC inspired chat software (server & client) during the course Concurrent Programming.

Python My goto language for doing all sorts of small programs. Also the language used for the second project during my internship at NASA.

Matlab Familiar with the basics of Matlab. As well as GUIDE, in which I refurbished an app for NEVS.

C Acted as team leader for a project at Chalmers where our team created a version of the game Bomberman for an ARM-based computer.

Operating Systems Comfortable using: Linux, macOS, BSD and Windows. *(In that order.)*

Certificates Cisco Certified Networking Associate (CCNA) Routing and Switching version 5.0

Licenses and Languages

Licenses MC/Car: AM/A1/A2/B
Fork Lift: A2/A4/B2

Languages Mother tongue: Swedish
Professional proficiency: English