Erik Thorsell

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Objective

I spent the summer of 2016 working for NASA at the Goddard Space Flight Center, the following semester I worked for NEVS' SW/FW department, and the summer of 2017 I hold an intern position at Volvo Cars. I have tried a lot of things, and now I am out to find a new "one semester long challenge". Are you in need of reinforcement?

Education

Aug 16–May 18 (est.)   **M.Sc.**, *CSALL*, Chalmers University of Technology, Gothenburg.
My studies at the Computer Science, Algorithms, Languages and Logic program are concentrated on artificial intelligence, machine learning as well as the ethics concerning those fields.
GPA: 4.7 / 5

Aug 13–May 16   **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`

Aug 11–Jun 12   **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.

Experience

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`

Oct 16–Apr 17   **Engineer**, NEVS, Trollhättan.
Along side my master studies I worked part time for National Electronic Vehicle Sweden. My work was conducted at the SW/FW department and was concerned mostly with BMS modelling in Matlab and visualizing said models in LaTeX.

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.

Aug 13–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.

Positions of Responsibility

May 17–present   **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 University 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".

Jan 11–Jan 12   **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.

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

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

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

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

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

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.

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.

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.

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

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   **Swedish** – Mother tongue
English – Professional proficiency