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Previous work experience

- Leine Linde
- Kungliga Tekniska Högskolan
- Westermo Network Technologies
- Allakando
- Mälarpplast AB

Skills

- Swedish, English
- Linux, git, ROS
- \LaTeX , \TeX
- Python, C++, MATLAB
- TIA Portal

Personality

- Calm
 - Methodical
 - Responsible
 - Persevering
 - Pedagogical
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Education

- Master in Systems, Control & Robotics
KTH Royal Institute of Technology, Stockholm, Ongoing - 2020
- Bachelor in Electrical Engineering
KTH Royal Institute of Technology, Stockholm, 2020 - 2017
- The engineering program with specialization in engineering sciences
Rinmangymnasiet Highschool, Eskilstuna, 2017 - 2014

Work Experience

I have been working each summer vacation since the age of 15 (2013) and gathered a lot of experience from many types of workplaces. Below follows a list describing my three most recent employers.

(Ongoing - 2020) Leine Linde develops encoders for exceedingly harsh environments where operational safety is of the highest priority. Unlike my for previous work experiences where I only worked on summer/winter vacations, at Leine Linde I have been working part-time (50%) along side my full-time studies in their R&D department. My tasks here have been to build the software for a new climate chamber test rig with industrial motors and sensor equipment, and to upgrade existing test rigs for field bus communication (PROFINET, EtherCAT, etc.). These projects have been quite substantial and I've gained a lot of experience that is not easily learnt in school due to that. For example, even though my capabilities in Python was already quite good before starting here, it has now improved to even higher efficiency just by learning good practices from experienced developers. As part of a larger plan for my studies and exchange, I will complete my time at Leine Linde by the end of the year.

(2020 - 2018) KTH is the foremost engineering university in Sweden. From my second year to the fourth year, each spring semester, I was a teacher assistant in Introduction to Computing Systems. This is a course were students learn how computers are built and function from NAND gates to OS level functions. In my role I held presentations on the material and helped students write code.

(2019 - 2017) **Westermo Network Technologies** provides solutions for networking and industrial data communication. I was stationed as an operator of automated optical inspection for SMT. My assignments were to assess the quality of soldering and component placement done in the production process and do a first analysis of potential problems. At westermo I learned very much of how electronics is designed, manufactured and repaired, before I even started my higher education.

Skills and Proficiencies

Word and document processors

- L^AT_EX – Excellent
- Office 365 Suite – Excellent

Programming Languages

- Python – Excellent
- MATLAB – Excellent
- C++ – Good

Extras

- Drivers licence, B
- Certified IPC Specialist, IPC A-610

Systems and software

- Linux (GNU utils etc.) – Very good
- git – Very good
- ROS – Very good

Languages

- Swedish – Native language
- English – Fluent (TOEFL iBT - 106)
- Portuguese – Basics
- Japanese – Basics

More about me

Background och Goals

The best description of me is that I live for solving problems! When faced with a task, especially if said to be impossible or very difficult, I always find myself with a persisting determination to complete it. A new problem is, in my mind, a new opportunity to learn and gain experience, my two main driving factors in life. For example, I learned a lot from my [Bachelor's Thesis](#) which was very advanced for that level and later upgraded to a Master's level project.

I am only 23 years old and yet I have been quite active in terms of work. I have gained experience from production of plastics and electronics, doing teaching and working with software development, all while my peers have been enjoying vacation and free-time. I value this a lot because it's here where you learn how to be a team player but also how to work independently, among many many other things.

Choosing Electrical Engineering at KTH felt like the obvious choice for me. My foremost interests are in mathematics and programming. Electrical Engineering, and later Systems, Control & Robotics, is the perfect blend of both! I really enjoy when I can take the rigor of math and apply it to software.

I am hungry for gaining experience and knowledge, which is why my focus has been on both school and work as well. That is also why one of my goals since starting university has been to do exchange studies. Currently, I am nominated to one of Japan's top universities, Tohoku University. In the context of these goals, I am very structured in forming my future and priorities.

Credentials

References, transcripts and/or certificates are presented upon request.

Thank you

I hope to be speaking with you soon!
Best regards, Kaj