

# Joakim Argillander

## Resumé

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## Education

- 2014 - **Master's Programme (*Secure Systems*) in Computer Science and Engineering**, *Linköping University*.  
Courses including Computer-, and Information Security and Cryptology. Alongside these courses are many project courses where theory is applied in practice that has taught the specific construction quirks of the subjects as well as methods for project execution.
- 2011 – 2014 **Technical Programme, ABB Industrial High School Västerås**.  
Courses aimed towards technical design in subjects such as Mechatronics, CAD, PCB-design and manufacturing as well as Digital Electronics.

## Vocational Experience

- jan 2020 - **Master's Thesis, Information Coding Group, Department of Electrical Engineering, Linköping University**.  
Currently investigating active phase compensation in a Mach-Zehnder interferometer for use in quantum key distribution. The aim of my project is to stabilise a QKD system with respect to low-frequency environmental thermal noise. The project involves hardware development and automatic control using FPGA's.
- apr 2018 – **Garage Intern, Ericsson Garage, Linköping**.  
dec 2019 Developer and team leader at Ericsson's innovation incubator programme, working with bleeding edge early phase projects in the IoT sphere in a small team consisting of other interns, Ericsson Innovators and external partners. My tasks included, aside from development, also leading a team of developers in a collaboration project together with external partners. I was responsible for the communication of project goals to internal and external stakeholders, sprint planning as well as coordination and prioritization of tasks. I was also the supervisor of summer interns during the summer of 2019.
- jan 2017 – **Bachelor's Thesis, Linköping University**.  
jun 2017 A study on how to visualize events in a CI workflow such that stakeholders of different technical backgrounds are presented with role-appropriate data. This project resulted in a prototype for the company Ericsson's framework Eiffel. During the work, agile methods were heavily utilized by the team.
- okt 2013 – **Internship, SensMaster Sdn/Bhd, Kota Damansara, Malaysia**.  
nov 2013 Unit testing of RFID-based asset tracking solutions, as well as initial work on an automated framework for said testing.

## Volunteer Work

- okt 2015 – **Bar Manager, Ryds Herrgård, Linköping**.  
okt 2018 Volunteer work at one of the student union's houses. My work there includes planning and structuring the bar work, menus and to some extent - inventory. It also includes educating the staff on alcohol policies, as well as quality and general liquor knowledge and techniques for working a bar. I was also a registered individual responsible for the serving of alcohol at this venue.

aug 2015 **Class Sponsor.**

I took part in the reception of new students at the D-programme as a class sponsor, introducing the class of D1.a -15 to their first period of university studies. I took the time to be available for help and questions about the introductory courses in Python programming and discrete mathematics.

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## Technical Skills

Programming Java, Python, C++, C, VHDL  
Cloud Docker, Kubernetes, AWS, REST, gRPC, MongoDB  
IoT Connectivity, Raspberry Pi, Electronics, FPGA  
Misc Git, Project Decomposition, Agile Methodology

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## Language Proficiency

Swedish Mother's tongue  
English Fluent in both speech and writing  
Finnish Conversational in both speech and writing  
German Basic understanding

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## References

Available upon request