# Jørn Bøni Hofstad

*Curriculum Vitae*

## PERSONAL DETAILS


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| *Birth* | June 7, 1996 |
| *Address* | Hans Hagerups gate 6 7012 Trondheim |
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## EDUCATION

**M.Sc. Cybernetics and Robotics** — 2015-2020

*Norwegian University of Science and Technology (NTNU)*

**Exchange semester** — February - June 2019

*École Polytechnique Fédérale de Lausanne (EPFL)*

## WORK EXPERIENCE

**Develop and maintain toolinng for working with Nordic Semiconductor development boards** — Nordic Semiconductor

*2020-present*

Implement cross-platrofm Contineous integration build-systems used to make tools directly used by customers of Nordic Semiconductor. Implementation of local testing system in Rust, which allowed for local testing consistent with tests performed on remote test-servers. Add tool for listing and filtering development boards. Maintained and migrated two python projects to the newer versions of python 3.9 and 3.10.

**Making a tool for comparing results from SHOP and prodrisk** — SINTEF Energy

*Summer 2019*

SINTEF Energy has two programs for planning how to most efficiently drain water-reservoirs in order to get the most out of the fluctuating water-prices. Since one was a long-term model, while the other one one was more detailed, the job consisted of learning the models well enough, so that an automated program could be made for translating the results from SHOP into the same format as the one for Prodrisk.

**Developing a simple BLE-mesh simulator** — Summer 2018

*Nordic Semiconductor Summer-job*

Developing a simple simulator with GUI for package transmission for Bluetooth Low energy mesh, so that costumers could get an idea of performance of a the performance of a star topology of BLE nodes. The job included setting up experiments with NRF51 boards in order to gather data on the number of received packets,and some of their properties. As well as setting up a simulator in Puthon able to give distributions and percentiles for discovery time and throughput, given a given a set of parameters given by the user (Jitter, number of nodes, packet-length, etc.)

**Student assistant (TTK4115, Linear System Theory )** — Fall 2018

*NTNU Part-time*

Student assistant at the subject Linear system theory. Primarily, I was a student assistant at the helicopter labs, helping the with controlling a model helicopter by using a multivatiable linear regulator with state estimators.(I also corrected exercises)

**Student assistant (TTK4240, Industrial Electronics)** Fall 2017

*NTNU Part-time*

The role of student assistant primarily consisted of helping students at the lab, as well as approving their lab-tasks. The lab mainly revolved around modeling and measuring an electric motor, as well as balancing an inverted pendulum.

**Student assistant (TTK4145, Real-time programming)** Spring 2020

*NTNU Part-time*

Providing assistance with the weekly assignments for students designing a distributed system, controlling a set of model elevators. The system was suposed to handle hardware failure, as well as network issues. The program could be written in any language.

## SKILLS

*Languages* Norwegian (native tongue)
English (fluent)
Swiss German ((No, it is not interchangeable with German) fluently spoken, but not written)
French (Well enough to communicate with simple words and sentences if I have to, but also so poorly that most french speakers will ask to switch to english)

*Software* C++, Python, Elixir, MATLAB

## REFERENCES

*Name* Hans Olav
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## LINKEDIN

www.linkedin.com/in/joern-boeni-hofstad

## GITHUB

https://github.com/jornbh/