Per Sunde

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Education

Skills
Kubernetes
.NET/C#
Python
 – Flask, FastAPI
JavaScript / Typescript
 – React
Java
SQL / TSQL
Docker
Golang
Puppet & Ansible
Public Speaking

University of Oslo, Norway — *Bachelors in Informatics: Programming and Networks GPA 4.0/4.0*

August 2015 - June 2018

The top graduating student from Informatics at UiO out of a class of over 300 graduating students. Focus on core Computer Science subjects, like Algorithms and Datastructures, Network communication and Operating Systems. **GPA 4.0/4.0**

University of Bergen, Norway — *Bachelors in Rhetoric and Communications*

August 2011 - June 2014

Media and political communication, with a focus on public speaking. Bachelor thesis about political TV debates and how to get a good reception from Norwegian journalists.

EXPERIENCE

CERN, Geneva Switzerland— *Software Engineer – Kubernetes project for ATLAS Data-Acquisition*

Feb 2020 - Feb 2021

Researching and developing the bare-metal on-Premise **Kubernetes (K8S)** project that will run on 5000 machines, for one of Europe's largest scientific research projects.

Testing the network performance with different CNI's, various cluster configurations, optimizing Autoscaling and more for **Kubernetes**.

Developing K8S-Operators in **Java** and **Golang**. Extending the ATLAS **Java** software stack to make it run on Kubernetes using K8S-Java libraries and **Docker**. Using **Puppet** and **Ansible** to auto-deploy and destroy clusters on demand.

Xledger, Oslo Norway— *Software Engineer*

August 2018 - September 2019

Web Integration specialist in .**NET**. Responsible for developing new API's and user facing features for our web-based ERP.

- Developing new ERP-integrated liquidity markets, such as invoice sales or on-demand just-in-time loans, etc.
- Integrating with external payment systems, credit check systems, and more
- Using large external datasets to do: company verification and lookup, IP based security measures, …
- Integrating with government systems for sending invoices, taxes and user verifications

All in **.NET, C#, F#, ASP.NET, Java, React, JavaScript/TypeScript and T-SQL with SQL-Server**

CERN, Geneva Switzerland— *Summer Intern*

May 2018 - August 2018

Researching and developing new prototypes for Runtime Verification of **Python** programs at CERN. Developed a new library to verify correctness of software during runtime. Developed in **Python/Flask**, and a web interface using **JavaScript with jQuery**. Used **Openstack** and to help with the testing and running of the software.

Simula Research Lab, Oslo Norway — *Engineering Ambassador*

September 2016 - June 2018

Promoting science and engineering to middle- and high school students. "Prepare project - making science more appealing to students". Received training in **Public Speaking** from public speaking professionals from the US and previous Engineering Ambassador from Pennsylvania State University.

University of Oslo, Oslo Norway — *Teaching Assistant*

February 2017 - June 2018

Classroom teaching, correcting assignments and helping students in advanced and introductory courses in Logic and Computability for Computer Science students, and Computer Networks.
Courses: Logical Methods, Computability and Complexity, Computer Communications

Volunteer Work

Dagen@IFI Career fair non-profit, Oslo Norway — *Vice President*

Januar 2017 - December 2017

Volunteer work. Organizing the largest career fair for IT students in Norway at the University of Oslo.

IAESTE: "The International Association for the Exchange of Students for Technical Experience" — *Treasurer, Vice President, Career Fair Organizer*

August 2015 - January 2018

Independent, non-profit, non-political student internship exchange organization who works across the globe in over 90 countries. Welcomed over 100 international interns who worked for various Norwegian companies in the Oslo region. Organized a career fair at the University of Oslo for STEM students.

Mentor UiO — *Buddy*

August 2016 - January 2017

Mentor, advisor and friend for Korean foreign students at University of Oslo.

Language Courses

Korean language Courses

June 2017 - July 2016 Ewha Womens University, Soul Korea – Summer student

June 2016 - August 2016 Ewha Womens University, Soul Korea – Summer student

March 2015 - June 2015 Sogang University, Soul Korea – Fulltime