

EDUCATION

• University of Oslo

Oslo, Norway

Master of Science in Statistics; GPA: 4.64/5.00

Aug 2017 – June 2019

- Coursework in statistics and machine learning, e.g. Statistical Machine Learning and Computational Statistics.
- One year research thesis (graded A) developing a gradient boosting algorithm for fitting survival times to a first-hitting time model, using a combination of lifetime and genomic data from e.g. cancer patients.

• University of Oslo

Oslo, Norway

Bachelor of Science in Mathematics; GPA: 4.10/5.00

Aug 2014 – June 2017

- Coursework in mathematics, computer science, and statistics, from Real Analysis to Operating Systems.
- Took 2/3 year worth of additional computer science courses while graduating on time.

EXPERIENCE

• Cognite

Oslo, Norway

Software Engineer II

Jan 2020 – present

Software Engineer

May 2019 – Dec 2019

- Designed and implemented a **load balancing scheme in Go** for handling millions of requests per minute.
- In team of 4, built a **search API for unstructured files** and **data ingestion pipeline** with metadata extraction, OCR, and language classification. Python 3 (+ mypy for static type checking) codebase with 90% test coverage.
- Technologies used: Elasticsearch, PostgreSQL, Apache Tika, Tesseract, Google Vision, Redis, Terraform, Jenkins, Spinnaker, Docker, Kubernetes, Google Cloud Pub/Sub, Google CloudSQL.
- Worked on gRPC API implemented in Scala for ingestion and querying of GB sized seismic data files.
- Full ownership of services: Infrastructure as code in Terraform. Dockerized containers deployed to Kubernetes using Jenkins. Observability using Grafana and Prometheus for metrics, and distributed tracing in Lightstep.
- **Recruiting:** Conducted 100+ interviews for software engineering positions.

• Konsus (now Superside)

Oslo, Norway

Software Engineer, 1-2 days per week

Sep 2018 – Dec 2018

- Migrated marketing copy from React codebase to CMS, decreasing webpage sizes.
- Implemented localization with locale based routing to support multiple languages, allowing more targeted SEO.

• Spacemaker

Oslo, Norway

Data Scientist Intern

June 2018 – Aug 2018

- Did research and development work on parking lot optimization algorithms.
- Gave two talks on intermediate Python programming for data scientists and software engineers.

• University of Oslo

Oslo, Norway

Teaching Assistant, 1 day per week

Aug 2015 – Jun 2018

- Taught weekly 2h seminar. Graded and gave feedback on (bi)weekly mandatory exercises. Corrected 250 exams.
- **Spring:** Functional programming in Lisp/Scheme. Head TA in 2018. Nominated for best TA several times.
- **Fall:** Introduction to programming for science majors in Python.

• Kolonial.no

Oslo, Norway

Data Scientist, 1-2 days per week

Sep 2017 – Jan 2018

- Improved estimation of boxes used for grocery packing in warehouse using Python scientific stack.
- Created business metrics dashboards in SQL for daily use by CFO.

• Bekk Consulting

Oslo, Norway

Software Developer Intern

Jun 2017 – Jul 2017

- Wrote React front-end for an application currently used by thousands of Norwegian citizens each day.

TECHNOLOGIES

• **Languages:** Python, Go, JavaScript (React), Scala

• **Technologies:** SQL, Unix, Git, Google Cloud, Docker, Kubernetes, Terraform