

Education

Bachelor of Science

Aalto University - Finland

September 2019 - June 2022

- Data Science major, Statistics minor
- GPA: 4.96 out of 5
- Relevant courses: Deep Learning, [Bayesian Data Analysis](#), [Programming Parallel Computers \(CPU & GPU\)](#), [Data Structures and Algorithms](#)

Experience

Research Assistant

Aalto University

January 2022 - Present

- Aalto Probabilistic Machine Learning Group.
- Themes: Bayesian workflow, causal inference, and projection predictive variable selection.

Machine Learning Trainee

Nokia

May 2021 – November 2021

- Evaluating causal inference and discovery by taking initiative to research and implement relevant concepts and tools, leading to a successful presentation of the technology to business partners.
- Training in basic software development practices. Presenting math concepts to software engineers.

Teaching Assistant

Aalto University

March 2021 – May 2021

- [Programming 2 course](#). Provided support for students on weekly assignments and general questions about the course content.

Projects

[Viral tweets MLOps](#)

- Custom MLOps pipeline for a BERT model classifying tweet virality.
- Integrated model with data collection, retraining, and deployment.

[GeekLearning](#)

- Dockerized Flask [web app](#) for cartoon image classification.
- SVM, multilayer perceptron, and ResNet-50 with PyTorch.

[Energy Demand Prediction](#)

- Modeling a complex time series on the electricity demand in Helsinki.
- SARIMAX, recurrent neural network, and Facebook Prophet.

[Bayesian Regression](#)

- Bayesian workflow for predicting electrical output of a power plant.
- Bayesian linear and generalized additive models with R and Stan.

[RegressionApp](#)

- Fits and visualizes univariate linear and quadratic regression models.
- Processes gigabytes-sized datasets in a few minutes.

Skills

Programming languages

Python, Scala, R, SQL, C++, C

Methodology

Causal inference, probabilistic machine learning, deep learning, time series analysis, statistical inference

Data science libraries

Tensorflow, PyTorch, Pyro, RStan, transformers, numpy, matplotlib, pandas

Honors

Dean's Incentive Scholarship - Aalto

Students meeting annual target of 60 credits.

100% tuition waiver - Aalto

Merit scholarship for non-EU/EEA students.

Volunteer work

Data Science Tutor

Aalto University, 2020 - 2021

- Assisting new students in adapting to campus life.
- Helping the local student association organize events for freshmen.

Organizer, TOUCH Project

Vietnam, 2017-2018

- Gathering materials and securing venues for English-language workshops.
- Organizing English-speaking summer camps.