

## 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

### 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 to classify tweet virality.
- Integrated model with data scraping, 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.

### [RegressionApp](#)

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

### [Analysis of YouTube statistics](#)

- Analyzing a Kaggle dataset about YouTube video statistics.
- Principal component analysis and multiple correspondence analysis.

## Skills

### Programming languages

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

### Methodology

Causal inference, probabilistic machine learning (Bayesian learning, generative modeling), deep (generative) learning, time series analysis

### Data skills

Data visualization, exploratory data analysis, data preprocessing.

## Honors

### Dean's Incentive Scholarship - Aalto

Students meeting annual target of 60 credits.

### 100% tuition waiver - Aalto

Merit scholarship for non-EU/EEA students.

## Languages

English (full professional proficiency)

Vietnamese (native)

## Volunteer work

### Data Science Tutor

Aalto University, 2020 - 2021

### Organizer, TOUCH Project

Vietnam, 2017-2018

- Assisting new students in adapting to campus life.
- Helping the local student association organize events for freshmen.
- Gathering materials and securing venues for English-language workshops.
- Organizing English-speaking summer camps.