Son Le

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GitHub   LinkedIn   Personal Website

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 (Bayesian learning, generative modeling), deep learning, time series analysis, statistical inference

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.

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.