Son Le

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GitHub   LinkedIn   Personal Website

Education

Master of Science
EPFL - Switzerland
September 2019 - Present

- Data Science major.
- Relevant courses: Machine learning, Information security and privacy, applied data analysis.

Bachelor of Science
Aalto University - Finland
September 2019 - May 2022

- Data Science major, Statistics minor.
- GPA: 5 out of 5.
- Relevant courses: Deep Learning, Bayesian Data Analysis, Programming Parallel Computers, Data Structures and Algorithms.

Experience

Summer intern
Aalto University
June 2022 – August 2022

- Computational Systems Biology group.
- Building a latent-variable deep neural network for data generation and causal effect inference on heterogeneous data from distinct sources.

Research Assistant
Aalto University
January 2022 - May 2022

- Aalto Probabilistic Machine Learning Group.
- Experimenting with Bayesian model selection via projection predictive feature selection method for causal analysis.

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.

Projects

Viral tweets MLOps

- Pipeline for BERT large language model predicting tweet virality.
- Integrated model with data collection, retraining, and deployment.

GeekLearning

- Dockerized Flask web app for cartoon image classification.
- SVM, feedforward net, and a state-of-the-art neural net 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.

Last updated on September 22, 2022