Linh Ngo

 ngol4 | linh-l-ngo | ngol4.github.io | linh.l.ngo@aalto.fi | +358.45.101.7523

EDUCATION

Aalto University   Sep 2020 – July 2023

Bachelor of Science – Major in Data Science—Minor in Economics, **GPA: 4.6 / 5**

Coursework: Data Structures and Algorithms, Algorithmic Techniques, Machine Learning, Artificial Intelligence, Databases, Human-Computer Interaction, Web Software Development, Linear Algebra, Statistical Inference, Principles of Empirical Analysis, Intermediate Microeconomics, Business Analytics

WORK EXPERIENCE

Aalto University—Department of Computer Science   Sep 2022—present

Teaching Assistant for Machine Learning

– Hosted weekly exercise sessions for over 30 students to answer questions about the course lectures and programming projects in Python and Jupyter Notebook

Teaching Assistant for Data Structures and Algorithms and Programming 2   Feb 2022—present

– Led computer labs with over 20 students on data structures and algorithms in Scala and Python

Teaching Assistant for Databases course   April – June 2022

– Led exercise sessions and held two course lectures where I provided hands-on tutorials to help students understand relational databases and data analysis in SQL (SQLite and PostgreSQL) and Python

– Created study materials (lecture slides, tutorials, projects) and handled course logistics with TA team

PROJECT

Kanban Board App   [Github]

Scala — Unified Modeling Language — Unit Testing — JSON — ScalaFx — Git

– Developed a Kanban Board and a task management app with GUI for users to create and use boards

Vaccination Database Design   [Github]

SQL — Unified Modeling Language — Data Normalization — Python — Relational Database

– Developed the Vaccination Management System database to keep records of vaccination information, patient, and doctor data from raw data using Python and SQL

Quiz App   [Github]

JavaScript — HTML — CSS — Deno — Oak — Heroku — PostgreSQL

– Built a web application with three-tier architectures (client, server, database) for creating and answering multiple-choice questions, accompanied by an API for retrieving and answering random questions

Climate Change Communicating Website   [Website]

JavaScript — HTML — CSS — Deno — Oak — Heroku — PostgreSQL

– Developing an interactive web page to educate Nordic audiences on green-house gas reduction efforts

Machine Learning for Personalized Treatment Decision-Making   [Google Drive]

Causal Inference — Reinforcement Learning — Literature Review — Research

– Presented and conducted literature review on causal inference and reinforcement learning methods in healthcare

SKILLS AND DOMAIN KNOWLEDGE

Software Tools: Git, Python, Scala, SQL, R, JavaScript, Stata, Matlab, HTML, Tableau, C++
Data Science: Statistical Inference, Machine Learning, Data Visualization, Processing, and Analysis