Tri Luu

Computer Science and Data Science Major · University of Helsinki

(+358) 46 902 1807 | ductriluu.work@gmail.com | triluu03.github.io/personal-portfolio | triluu03 | triluu03

Introduction

I am a third-year Bachelor's student in Science, majoring in Computer Science and Data Science, with solid backgrounds in Mathematics, including Linear Algebra, Calculus, and Statistics. I see myself as a fast and adaptive learner, having great interpersonal skills when working with groups and individuals. I am also straightforward with my opinions and thoughts, which helps communication within a team more efficient in both time and effort.

Education

University of Helsinki

Helsinki, Finland

Bachelor's Program in Science (Computer Science and Data Science)

Aug. 2021 - present

- Accumulated GPA: 4.97/5.0
- Expected graduation date: May 2024

Experience

Signant Health Oy

Helsinki, Finland

Software Trainee

Jan. 2023 - Aug. 2023

- Ensured the quality of software products by implementing automation tests using Python and Robot Framework.
- Updated the company's cloud services by migrating AWS Lambda functions to SDK for Javascript version 3.
- Developed new features and unit tests for an internal software product using Java.

Projects

Predicting Saturation Vapour Pressure

University of Helsinki

Project Report

Oct. 2023 - Dec. 2023

- Analyzed the subset of the **GeckoQ** dataset containing 26 properties of atmospheric molecules.
- Conducted detailed comparisons among Machine Learning regression methods and determined the suitability of each method for the task.
- Achieved rank 14/99 in the private Kaggle competition by building the selected best regression model to predict the saturation vapour pressure of atmospheric molecules.

Real-time Django Application - Tic-Tac-Toe Game

Personal Project

Github Source Code

Oct. 2023 - Nov. 2023

- Built a modern Tic-Tac-Toe game using Python and Django Framework and deployed it using Heroku cloud service.
- Allowed for fast and real-time gameplay between two players by using WebSocket connections and the Channels library.

Predictive Analysis of Natural Disasters

University of Helsinki

Project Report

Sep. 2023 - Oct. 2023

- Investigated the correlation between 5 climate factors and 10 types of natural disasters by analyzing the data sets published by NASA, IMF, and EMDAT.
- Predicted the probability that each type of natural disaster might occur by training a Machine Learning model and delivering its UI with a Python application.

Songsite

Personal Project

Github Page

Sep. 2022 - Oct. 2022

- Built a React/Redux application for searching music data using TypeScript.
- Provided detailed results in artists, albums, playlists, and music tracks using Spotify API for Developers.

Skills

Data Analytics	Python · R · SQL/PostgreSQL/MySQL
Web Development	Django · React · Redux · Material UI · Node.JS · Express · REST API · MongoDB
Programming	Python · JavaScript/CSS/HTML
Languages	English - TOEFL 104 · Finnish - A1 · Vietnamese - Native