TRA MY HOANG

Tampere, Pirkanmaa, Finland, 046 568 0517, my.hoang@tuni.fi,
Portfolio: https://amy-hoangg.github.io/
LinkedIn: https://www.linkedin.com/in/amyishere0602/
Github: https://github.com/amy-hoangg

EDUCATION

Tampere University   08/2022 - Present
Bachelor Program – **Computing and Electrical Engineering**
Major in **Software Development** and Minor in **Industrial Management**

WORK EXPERIENCE

Tampere University, Research Trainee   01/2023 - Present
Development of a database for GNSS measurement logging, creating a Dash app that visualizes GNSS (Global Navigation Satellite System) data from a CSV file. The app consists of three tabs: Measurement, Map, and Setting, each displaying different data visualizations.
Skills: Data Visualization, Python (Programming Language), Dash, Bokeh, MongoDB, …

SKILLS

Industrial Management: key business concepts, customer value, product development, bookkeeping, marketing processes, budgeting, organizational management
Programming: Python, SQL, C++, Java, Matlab, Javascript, HTML, CSS, jQuery, Bootstrap, Linux, SASS, Dash, Bokeh, Panel, GIT, Tiger VNC, Visual Studio Code, QT Creator, Pycharm, GUI, Node.JS, RESTful API, React, Jest, GraphQL Java, JavaFX
MS Office: Word, Excel, Powerpoint, Outlook, Onenote
UI/UX: Visual Design, Sitemaps, Wireframes, User Flows, Prototyping, Responsive Web Design, Figma, Sketch, Typography
Design: Adobe Photoshop, Indesign, Adobe Ilustrator, Canva
Language: English, Vietnamese, Finnish
Other skills: Content Creator, Project Management, Photography, Video Editor, Social Media Management, Adobe Lightroom

PROJECTS

Website for AI Ecosystem:
This project aims to address the challenges posed by the ever-expanding AI landscape. Our platform serves as an AI marketplace, AI discussion hub, and knowledge repository, offering a comprehensive suite of AI-related services and features
Skills: TypeScript, Docker, MongoDB, Node.js, JavaScript, CSS, CI/CD…
GUI Game Path
This is a C++ Project which I worked in to learn how to design and implement a graphical user interface with Qt. I practiced modularity and especially how to separate user interface from the action logic of the program.
Skills: C++, QT
Web Application for Online Store
This project is an online store using HTML, CSS, JavaScript, Node.js, and MongoDB. I learned HTTP, and web development, such as rendering, templating, session management, and security

and applied various techniques and tools to create a dynamic, functional, and secure web application.

Weather Application

This project involved developing a weather forecast program that retrieves data from OpenWeatherMap and presents it through a graphical user interface. Leveraging JavaFX, the team implemented functionalities such as location search, displaying current weather and forecasts (with various data types like temperature and rain intensity), saving favorite locations, and restoring the program's state upon restart. The project emphasized JavaFX, data visualization, API integration, and comprehensive testing methodologies.

CERTIFICATION

Fullstack Open 2023 – University of Helsinki
Typescript - University of Helsinki
GraphQL – University of Helsinki
React Native – University of Helsinki
Matlab Fundamentals & Matlab Onramp
Responsive Web Design
Fundamental of Graphic Design
Bokeh Visualization Guided Project

HONORS & AWARDS

Tampere University Tuition Fee Scholarship   2022 - 2027
Gain the Scholarship by gaining high SAT score and motivation letter. The Scholarship is valid for both Bachelor and Master's degrees.

TEST SCORES

SAT, SAT MATH   1450/ 1600
SAT MATH   800/800
ACT MATH   32/40
IELTS   7.5/9.0

OTHER ACTIVITIES

Tampere Science and Engineering Association (TaSciEn)   2022 - Present
Communication Officer
Be responsible for TaSciEn's social media account, create articles about next events
Support Event team's activities

Tampere Science and Engineering Association (TaSciEn)   2022 - Present
Photography Officer
Be responsible for taking photos during TaSciEn's events