

Tu Binh Truong

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Experience

AI-IOT Hackathon

June 2020 – Aug 2021

- Led a team to build an IT project.
- Made a detailed plan, assigned tasks to team members, and inspired others to complete the project.
- Enhanced my leadership and communication skills.

Engineering projects

Jan 2025 – March 2025

- Conducted research, wrote a report about the given problem, and came up with an ideal solution.
- Made a detailed plan, assigned tasks to team members, and completed the work given.
- Enhanced my communication and teamwork skills.

Education

Seattle Pacific University, BS in Computer Science

Sept 2024 – June 2026

- Coursework: Computer Architecture, Data Structures and Algorithms, Computer Organization and Architecture

Seattle Central College, AS in Computer Science

Jan 2022 – June 2024

- Coursework: Computer Science I and II, Operating Systems

Project

Smart Farming System | C, MQTT, Ubuntu, Arduino

June 2020 – Aug 2021

- Created an IoT system used in farms and gardens controlled by an Arduino connected with several sensors.
- Implemented an open-source website for users to monitor the status of the plants: temperature and humidity.
- Implemented an open-source mobile app for users to monitor as well as controlling the system such as water pump, light and fan.

Sokucom | HTML, CSS, JavaScript, PHP, WordPress

June 2023 – Aug 2023

- Created a website for the project using essential website tools.
- Called API to give client id and password to use the system.
- A landing page which helps the client to understand what the software is about.

Smart Home Automation System | HTML, CSS, and JavaScript,SQL

July 2022 – Aug 2024

- Designed a smart home automation system to control household appliances remotely using a mobile app.
- Integrated IoT sensors (motion, temperature, and light) with a Raspberry Pi to collect real-time data and automate tasks like lighting control and temperature regulation.
- Built a Flask-based backend to manage user authentication.
- Implemented a responsive frontend for seamless user interaction.
- Enhanced system security by incorporating encryption for data transmission.

AcademiaOS | UX/UI,SQL

Jan 2025 – March 2025

- Create an application offline for students and workers.
- People can use this application to schedule their event.
- This app also has a mood tracker and a summary function for their day.
- Announce an important day.

Technologies

Languages: C++, Python, Java, SQL, JavaScript

Technologies: Microsoft SQL Server, XCode,UX/UI