Blake Truong

Computer Engineer

206-795-9037 | truongblake@gmail.com | Kirkland, WA | linkedin.com/truongblake | github.com/truongblake | blaketruong.com

Education

Bachelors Computer Engineering – University of Washington Bothell   June 2024

Relevant Courses

Java I & II, C++ Data Algorithms I & II, Software Engineering, Embedded Systems, Operating Systems, Technical Writing, Microprocessor System Design, Sensor Systems

Relevant Work Experience

- **Electrical Engineering Lab Technician** – University of Washington   September 2022 – March 2024
    - o Mentored students in intermediate circuit design, analysis, testing, and debugging, resulting in improved understanding and success in their projects.

- **Electrical Engineering Peer Facilitator** – University of Washington   January 2023 – June 2023
    - o Promoted a collaborative atmosphere by facilitating group discussions and team-building activities, fostering stronger relationships and teamwork among peers.
    - o Demonstrated effective communication skills by clearly explaining technical concepts to peers, leading to improved understanding and collaboration.
    - o Showcased an understanding of diversity, equity, and inclusion by adapting to diverse learning styles and backgrounds, promoting inclusiveness in group dynamics.

Projects

- **Unix-Like File System**
    - o Implemented a **Block File System** with a three-layer architecture: the bio layer for block I/O functions (bioRead, bioWrite), the bfs layer for internal management functions, and the fs layer for user-level file operations.
    - o Facilitated seamless communication between layers to enhance performance and reliability.

- **Ecommerce Website**
    - o Developed a full-stack eCommerce application using the **MERN** stack (MongoDB, Express.js, React.js, Node.js), focusing on seamless **API** integration between frontend and backend.
    - o Implemented user authentication and authorization with **JWT**, enhancing security and session management.
    - o Gained experience in **MongoDB** for data management, alongside features for product management and order processing.

- **Portfolio Website**
    - o Developed a fully functional portfolio website using **ReactJS** for the frontend, styled with **TailwindCSS**, and built with **Vite** for optimized performance.
    - o **TailwindCSS** for utility-first styling, enabling rapid UI development and ensuring a responsive design across various devices.
    - o Incorporated **Git** for version control, following best practices for branching, merging, and pull requests to facilitate collaborative development.