Davin Win Kyi

Seattle, WA | davin123@uw.edu | 425-499-6266 | linkedin.com/in/davin-kyi/ | github.com/davin12345678910

EDUCATION

University of Washington Seattle

B.S./M.S. in Computer Science and Engineering, **GPA: 3.88/4.00**   **Est. Grad Date Dec 2025**
- **Relevant Coursework:** Computer Vision, Artificial Intelligence, Human Computer Interaction, Web Programming, Databases, Android Programming

EXPERIENCE

Makeability Lab| Undergraduate Research Assistant | Seattle, WA   **Nov 2022 – Present**
- Conceptualized, programmed, and tested a parallel alt-text system for blind and low-vision users, achieving 80-90% accuracy using **C#**, **Python**, APIs such as Google Vision, and self-built APIs with a 4-person team
- Devised and programmed a high-performing **Python** algorithm that gives the brightness of a given image from a scale of 1-10 with an accuracy rate of about 75%
- Developing an Apple Vision Pro application using Swift that allows Blind and low vision (BLV) users to veer and avoid obstacles when crossing a crosswalk

Makeability Lab | Research Intern (REU) | Seattle, WA   **Sep 2023 – Dec 2023**
- Designed and developed a real-time Visual Question-answering (VQA) model for BLV users using Python and Pytorch for a user study of 20+ participants
- Built a real-time AR application that acts as a crosswalk aid for BLV users using Python, Pytorch, Yolov8, and LLaVA for a user study of 20+ participants

Ubicomp Lab | Software Engineer Intern | Seattle, WA   **Feb 2023 – Sep 2023**
- Developed two Android apps using **Java**, **Kotlin**, **Android Studio**, and **XML** for two user studies, 20+ participants each; one involved smart earrings and another involved smart necklaces that monitored heart information
- Created an application that uses Bluetooth low energy (BLE) to record data from a device that measures ECG signals using **Kotlin** and **C** to detect an individual's heart rate and underlying heart conditions

ADDITIONAL EXPERIENCE

University of Washington | Teaching Assistant | Seattle, WA   **Sep 2022 – Present**
- Prepared and Presented 20+ class sections with interactive coding demos, presentations, and section exercises
- Programmed over 20 critical projects, course materials, and assignments (each exceeding 500 lines of code) for courses with 300+ students focused on Android programming and databases in languages such as **SQL** and **Java**
- Guided over 500 students through interactive sessions in **SQL**, **Java**, **Android Studio and XML** across 50+ office hours, 20+ sections, and 2 Lectures

Capital One| Software Engineer Intern | San Francisco, CA   **Jun 2023 – Aug 2023**
- Teamed with 4 interns to develop a large-scale UI using **React**, **CSS**, **HTML**, **JavaScript** and **bootstrap** to process car loan information for over 5 million users, benefiting hundreds of employees yearly
- Built a **Python** backend app with **Docker** and **Terraform** that can handle millions of loan requests annually
- Generated and applied accessibility strategies, including alt-text, to a high-priority application, resulting in a 25% higher usability score compared to other applications through **CSS** and **JS**

SKILLS

- **Programming Languages:** Batch, C, C#, C++, CSS, HTML, Java, JavaScript, Python, SQL, TypeScript, XML
- **Technologies:** Android Studio, Bootstrap, Docker, Express, Flask, Git, Jest, Node, React, Salesforce, Terraform