

OLIVIA MUNINEATH BORATH

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SKILLS

Programming Languages: C++, C, Java, PHP, Python, HTML, CSS, JavaScript, SQL, AWS, Assembly
Software/Tools: Visual Studio Code, MySQL, Linux, iOS, Slack, Microsoft Office365 - Teams, Zoom, GitHub, Git, React JS, Node.js, TFTP, TeraTerm

EDUCATION

University of Washington Bothell | Bothell, WA Sep 2020 – Dec 2022

Bachelor of Science in Computer Science and Software Engineering (Dean's list, GPA: 3.4)

- Relevant Courses: Cybersecurity; Database Systems; Data Structures and Algorithms; Internship; Intro to AI; Machine Learning Research; Operating Systems; Software Engineering; Technical Writing

WORK EXPERIENCE

Software Engineer, ML Companies | Seattle, WA Feb 2023 – Present

- Helped improve the usability, site/page structure, and contents by developing a front-end tool using **PHP, HTML, CSS, and JavaScript library** that interacts with **MySQL database server**.
- Reduced **data (real estate listings) errors by 50%** by using **Git** to keep track of changes and to collaborate with other developers on team.

Software Engineering Intern, MediaTek | San Jose, CA Jun 2022 – Sep 2022

- Developed **firmware modules** and **API** features required for new chip development, coded in **C** with **Linux** and **Open Source Technologies**; improved speed of the team's workflow by **20%**.
- Designed, developed, and verified custom features of the chip; performed over 10 daily detailed tests using **VSCode, TFTP, and TeraTerm**.
- Executed Wi-Fi 6 and Wi-Fi 7 test setup and performance comparison for chips.
- Worked with an engineering team of **over 15 people** to address the performance, stability, and user-friendly procedures of the shipping products; chips.

Computer Science Tutor, University of Washington Bothell | Bothell, WA Aug 2021 – Jun 2022

- Help more than 50 students during 1:1 sessions to improve **over 10%** of their grades per quarter in **C++, Java, Python, SQL, JavaScript, HTML, CSS, Math, and Physics** classes.
- Record students' information into a **database** for continued funding.

PROJECTS

On-campus Job Management System, [Web App Link](#) Jan 2022 – Feb 2022

- Developed a **full-stack web app**, in a team of two, that does job browsing, application management and work hour tracking for student and staff users; decreasing administrative workload by **30%**.
- **Front-end:** Implemented a user-friendly interface using **ReactJS, HTML, CSS, and JavaScript**.
- **Back-end:** Integrated **Firebase API** for user authentication, database interactions, and real-time updates; leveraging **Firebase Firestore** for storing and syncing data securely.

Covid-19 Vaccine Tracker, [Vaccine Tracker Link](#) Mar 2021 – Apr 2021

- Wrote a vaccine tracker website, using **JavaScript, HTML, and CSS**; filling the gap of the insufficient public data trackers available.
- Created a database based on real-life data for the public at large, **over 80 people** visited the website.
- Hired four team members, designed **project roadmap**, and practiced **project management** skills.

Full-Stack To-Do List Web Application, [Web App Link](#) Jan 2021

- Developed a web application, using **JavaScript, HTML, and CSS**, that allows users to make their own to-do list; enhancing their productivity by **25%** per day.
- Utilized **project schedules** and **project management** techniques to complete the project in two weeks.

