

OLIVIA MUNINEATH BORATH

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EDUCATION

University of Washington

Expected Graduation: Mar 2025

Master of Science in Computer Science and Software Engineering

University of Washington

Sep 2020 – Dec 2022

Bachelor of Science in Computer Science and Software Engineering

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 – Jun 2023

- Improved website's usability by developing a front-end tool using **PHP, HTML, CSS**, and **JavaScript**.
- Achieved a 30% reduction in data errors (real estate listings) by establishing MySQL server and utilizing Git for collaborating effectively with a team of developers.

Software Engineering Intern, MediaTek | San Jose, CA

Jun 2022 – Sep 2022

- Improved team's workflow by 20% through developing essential firmware modules and API features for new chip development, coded in **C** with **Linux** and Open-Source Technologies.
- Ensured high performance and stability for shipping products by designing, developing, and verifying custom chip features with over 10 daily detailed tests using **Visual Studio Code, TFTP**, and **Tera Term**.

Computer Science Tutor, University of Washington Bothell | Bothell, WA

Aug 2021 – Jun 2022

- Tutored 100+ students per quarter in **Java, Python, C, C++, JavaScript, SQL**, and other STEM courses with expert guidance and support to facilitate their academic success.
- Recorded the sessions into a **cloud-based database** for continued school funding.

PROJECTS

Movie Recommendation API, [Project Link](#)

Jul 2023 – Aug 2023

- Successfully developed a **full-stack web application** with a scalable **API** that enables users to receive personalized movie/TV show suggestions based on their preferred genres, resulting in over 50 API requests from different users.
- Front-end: Implemented a user-friendly single-page application framework using **React.js, HTML, CSS**, and **JavaScript**.
- Back-end: Integrated an API using **Spring Boot** and **Java** to fetch data (movies/TV shows) for the user.

On-campus Job Management System, [Web App Link](#)

Jan 2022 – Feb 2022

- Decreased administrative workload for a university by 30% through implementing a **full-stack web application**, using **React.js, HTML, CSS**, and **JavaScript**, that handles job browsing, work hours & applications for students and staffs.
- Integrated **Firestore API** for user authentication, database interactions, and real time updates.

Covid-19 Vaccine Tracker, [Web App Link](#)

Mar 2021 – Apr 2021

- Leveraged real-life data to serve the public at large by creating a website using **JavaScript, HTML**, and **CSS** to display the number of people vaccinated in each state.
- Designed **project roadmap**, hired team members, and practiced **project management** skills to deliver results.

Undergraduate Research on Machine Learning

Jun 2021 – Aug 2021

- Improved stock price prediction by 15% through sentiment analysis using **machine learning techniques** in **Python**.
- Gained hands-on experience in machine learning and **research projects** while independently managing project tasks and overcoming technical challenges to deliver successful outcomes.

TECHNICAL SKILLS

Languages: C++, C, Java, PHP, Python, HTML, CSS, JavaScript, SQL, Swift

Software/Tools: Visual Studio Code, Git, Slack, Docker, XCode, Linux, MySQL, Gitlab, ChatGPT, AWS, Azure, Tera Term, Zoom

Libraries/Frameworks: React, Node.js, TFTP