

BILLY HAO

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WORK EXPERIENCE

Sinclair Digital

Software Development Engineer I

2021 - Present

- Engineered a React application that interacts with a RESTful API to create, view, and administrate live video streams for tennis matches and news stations.
- Maintains unit tests with Jest and React Testing Library, and end-to-end tests with Selenium to ensure product reliability.
- Improved code maintainability and readability by migrating from React's Context API to Jotai atoms.
- Manages a GitLab CI/CD deployment pipeline that deploys code to INT, QA, and Prod environments using AWS S3 buckets.
- Collaborates on an Agile team that operates on a two week sprint with daily standups. This involves active creation of tickets, story point estimates, and taking the role of scrum master during ceremonies.

University of Washington Coding Boot Camp

Teaching Assistant

2020 - 2021

- Taught languages, technologies, and concepts including HTML, CSS, JavaScript, jQuery, NodeJS, MySQL, MongoDB, Handlebars, MVC design pattern, working with and building APIs, React, GitHub and Heroku.
- Managed six-month classes of up to 60 students using Zoom and Slack to facilitate learning and communication.
- Guided students on how to think and research effectively as full stack engineers.

Boxtribute

Frontend Developer

2020 - 2021

- Contributed to a React web application that helps distribute donated goods to refugees.
- Implemented unit and integration tests using React Testing Library and Jest.
- Collaborated remotely with developers across the globe in an Agile software development life cycle operating on a one month sprint.

SKILLS

- Languages: JavaScript, Java, C, C++, Python, C#, HTML, CSS, SQL/T-SQL
- Libraries: React, React Testing Library, jQuery, Mongoose
- Others: Express, Jest, Spring Boot, AWS, Git, MongoDB, IndexedDB, MVC design pattern, responsive web design

EDUCATION

University of Washington Bothell

Master of Science in Computer Science and Software Engineering

2022 - 2025

Graduate Certificate in Software Design and Development

2021 - 2022

University of Washington Boot Camp

Full Stack Web Development Certificate

2020

University of Washington Bothell

Bachelor of Arts in Business Administration

2017 - 2019