BILLY HAO

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WORK EXPERIENCE

Sinclair Digital   **09/2021 - Present**
Software Development Engineer I
- Engineered a dynamic React.js application for the Tennis Channel, generating live video streams and featuring sophisticated form input validation, seamless integration of React hooks, and effective utilization of React Context API.
- Implemented a polling mechanism using React state and JavaScript's setInterval function that periodically makes requests to a RESTful API endpoint to refresh the status of a livestream.
- Refactored a plugin within a frontend microservice application by mitigating style overlapping issues with CSS modules.
- 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.
- Manages a GitLab CI/CD deployment pipeline that deploys code to INT, QA, and Prod environments.

University of Washington Coding Boot Camp   **09/2020 - 09/2021**
Teaching Assistant

- Taught languages, technologies, and concepts including HTML, CSS, JavaScript, jQuery, Node.js, MySQL, MongoDB, Handlebars.js, MVC design pattern, working with and building APIs, React.js, 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 (Nonprofit)   **09/2020 - 03/2021**
Frontend Developer

- Contributed to a React.js 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.

EDUCATION

University of Washington Bothell

- Master of Science in Computer Science and Software Engineering   09/2022 - 06/2025 (Expected)
- Graduate Certificate in Software Design and Development   09/2021 - 06/2022
- Bachelor of Arts in Business Administration   09/2017 - 06/2019

University of Washington Boot Camps

- Full Stack Web Development Certificate   03/2020 - 09/2020

Bellevue College

- T-SQL Programming Certificate   09/2019 - 12/2019