BILLY HAO

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WORK EXPERIENCE

Sinclair Digital   09/2021 - Present
Software Development Engineer I

- Built and maintains a React.js application that is used by video engineers to create live video streams for Tennis Channel. It will be used by around 300 news stations. Worked closely with a video architect to develop this application as a POC and took it to production over the course of two years. The application makes use of complex form input validation, React Hooks, and React Context API.
- 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 periodically 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