Winggo Tse

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SKILLS

- Language – JavaScript, TypeScript, Python, Java, HTML, CSS, SQL
- Technology – React, Node.js, RESTful API, Sequelize.js, Redux, AWS, Linux, Webpack, Jest, Next.js, Docker
- Data – PostgreSQL, MySQL, MongoDB, Redis, Firebase

EXPERIENCE

Successhub, Software Engineer Intern   01/2019 – 04/2019

- Worked on the student success manager platform — designed to align university education received by students with the changing needs of the industry — built on *React*, *Node.js*, *Express.js*, *PostgreSQL* with emphasis on clean code practices and scalability in a startup environment
- Developed and refactored all *RESTful API* endpoints in the backend using object-relational mapping with *Sequelize.js*, which resulted in an increase in database portability and standardization
- Implemented additional features such as updating of profile picture on the front-end dashboard by developing custom components with *React* and managing state with *Redux*
- Participated in Agile development methodology, documentation, testing and ongoing support of systems

IDTech, Computer Science Instructor   06/2018 – 09/2018

- Led and instructed classes of 10 students in Coding and Development 101 — an introductory course for Python and C++ — which resulted in students having a solid understanding of their first language within one week
- Prepared lesson plans and held meetings with management and other instructors to provide a structured curriculum for students ranging from ages 13-17 with zero programming experience
- Checked in with parents every week to communicate student's progress and leveraged dynamic teaching methods upon feedback throughout the semester to provide the best learning environment for each student

EDUCATION

University of California, Santa Cruz   06/2019

- B.S. Computer Science with Honors in the Major

PROJECTS

Winggo.us, Professional Portfolio   01/2020

- Personal portfolio to showcase my projects, blogs, design, photography and development interests built with *React*, *TypeScript*, and *CSS*
- Architected with a fluid user experience in mind with features of a progressive web app
- Improved first paint time through code splitting, lowered transition response time between routes by 2x using client-side rendering, and eliminated code redundancy by utilizing reusable components

Newsletter, React Single Page Application   12/2019

- Single page web app showcasing my experiences abroad over the summer designed with modern UI/UX
- Developed with *React* and various *React* animation libraries such as *React-spring* to feature smooth transitions and the parallax effect for a diverse range of media types

Glorify, Google Chrome Extension   01/2019

- Front-end extension which displays a unique background on every tab with the goal of boosting creativity
- Built with *React* and utilized third party Unsplash API to fetch content to display on every new tab load
- Currently in the Chrome Web Store rated 5 stars with over 100 users

foodgo, Interactive Restaurant Voting Application   04/2018

- Interactive web app to help groups of up to 30 users simultaneously decide on a restaurant
- Utilized Yelp Fusion's API to retrieve restaurant data, built on *Node.js*, *React*, *Firebase, CSS*