

# Winggo Tse

winggo.tse@gmail.com    <https://Winggo.us>    (415) 971-5722    [linkedin.com/in/Winggotsse](https://www.linkedin.com/in/Winggotsse)    [github.com/Winggo](https://github.com/Winggo)

## SKILLS

- **Language** – JavaScript ES6, TypeScript, Python, Java, HTML5, CSS3, SQL
- **Technology** – React, Node.js, Express.js, REST API, Sequelize.js, Redux, AWS, Webpack, Jest, Next.js, Docker, Git
- **Data** – PostgreSQL, MySQL, MongoDB, Redis, Firebase

## EXPERIENCE

### **Successhub**, Software Engineer Intern

01/2019 – 04/2019

- Developed core features on the Success Manager Platform — designed to supplement the university computer science curriculum with real world industry tech stack skills — built on *React*, *Node.js*, *Express.js*, *PostgreSQL* with emphasis on clean code practices and scalability in a startup environment
- Created and refactored database schemas and all backend *RESTful API* endpoints with *JWT* user authentication and *Joi* data validation using object-relational mapping with *Sequelize.js*, thereby increasing 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*