

# Davin Wong

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## Education

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**Georgia Institute of Technology** – *M.S. Computer Science – Interactive Intelligence*

**Expected Graduation: May 2024**

**San Jose State University** – *B.S. Computer Engineering | Overall GPA: 3.608*

**Graduated: May 2021**

## Skills

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**Languages:** JavaScript, Python, TypeScript, HTML/CSS, MySQL, MongoDB, Java, C++, C

**Libraries/Frameworks:** React.js, React Native, Node.js, Express.js, Material UI, Bootstrap, Flask

**Technologies:** Git, AWS, ESLint, TravisCI, CircleCI, Adobe XD, Excel, Heroku

## Projects

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**CmpEndium** – *MERN Stack, AWS S3, and Heroku*

*September 2020 – May 2021*

- Lead a team of four to design and develop a job-search web application to help users apply to jobs, monitor the status of their applications, as well as improve their candidacy with a resume reference and feedback page
- Implemented several pages and features using **React.js** and stylized them with **Bootstrap** to deliver a better user experience
- Utilized **Node.js** to allow user-submitted resumes to populate an **AWS S3** bucket, which would enable the resume reference page to display public resumes
- Created multiple UI Mockups using **Adobe XD** to streamline the development experience

**Calorie Tracker** – *MySQL, Express.js, React.js, and Node.js*

*April 2021 – May 2021*

- Designed and developed a web application that allows users to record their caloric intake and calories burnt, view their progress on a graph, and compete with friends
- Implemented **JWT based user authentication** using **Node.js** and **MySQL** to ensure logged in users are verified and trusted
- Integrated **MySQL** queries with API functions that were written in **Node.js** to enable users to view and update their profile

**NoteHub** – *React Native, TypeScript, and Expo CLI*

*April 2021 – May 2021*

- Worked in a team of two to create a note taking mobile application compatible with both iOS and Android
- Developed an easy to use, friendly UI with **React Native** to deliver a uniform user experience
- Utilized **Typescript** to implement note management functionalities, allowing users to create, delete, and edit their notes
- Implemented a local database with **AsyncStorage** to handle the results of user interactions with the application

## Experience

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**Instructional Student Assistant at SJSU**

*March 2020 – May 2021*

- Tutored students enrolled in SJSU's Microprocessor Design and Advanced Algorithm Design courses
- Taught concepts pertaining to Algorithm Design including Time Complexity, Heaps, Hash Tables, and Graphs
- Held interactive final review sessions for students to reinforce knowledge of course material such as Interrupts, Direct Memory Access, and Serial Communications

**Software & Computer Engineering Society (SCE)**

*October 2020 – May 2021*

- Refactored the SCE Discord Bot to allow users to only view and commands accessible to them based on their Discord server role
- Implemented an interactive output that displays active and closed pull requests from an SCE GitHub Repository of their choosing
- Designed and developed a functionality to denies unauthorized users from accessing production level commands while in a development environment

## Awards and Extracurriculars

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● **Dean's Scholar** – Awarded by SJSU College of Engineering for exceptional academic performance

*Fall 2019 – Fall 2020*

● **International Collegiate Programming Contest** – Achieved 20<sup>th</sup> and 30<sup>th</sup> place in regionals and nationals respectively

*April 2021*

● **Google Tech Challenge** (8<sup>th</sup> place), **PayPal Opportunity Hacks**, and **Google Hashcode**

*Spring 2019 – Fall 2020*

## Relevant Coursework

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Object-Oriented Analysis and Design  
Advanced Algorithm Design  
Software Engineering  
Mobile Software Engineering

Database Systems  
Engineering Reports  
Operating Systems  
IoT Platforms