

# TALAL JAWAID

Email: [talaljawaidd916@gmail.com](mailto:talaljawaidd916@gmail.com)

U.S Citizen

[LinkedIn.com/in/Talal916](https://www.linkedin.com/in/Talal916)

[GitHub: https://github.com/talal916](https://github.com/talal916)

## EDUCATION

California State University, Sacramento

B.S Computer Science

December 2019

Dean's Honor Roll

## TECHNICAL SKILLS

**Programming Languages:** Java, JavaScript, TypeScript, C/C++, Python

**Frameworks and Databases:** React, React Native, NodeJS, Tkinter, MySQL, PostgreSQL, GoogleSQL, Android Development

**Tools:** Git, Scrum Agile Methodologies, RxJS, DBeaver, Postman, AWS (S3, SQS, Lambda, CloudWatch), NewRelic, Splunk

## WORK EXPERIENCE

**Software Engineer**, Google, Mountain View, CA

07/2020 – Present

- Solely responsible for designing and developing system to display Store Hours on Chrome on Android's recent tabs page.
- Utilized test driven development to build out and deploy the feature in less than 4 months.
- Development was primarily done in Java, with some native Android C++ work
- This is a user-facing feature which will be available to 1+ billion users. Chrome for Android is an open-source product.

**Software Engineer**, Realtor.com, Santa Clara, CA

02/2020 – 06/2020

- Developed Market Reach as Backend Engineer as part of the Platforms and Monetization team
- Wrote NodeJS application to compile and calculate statistics and metrics, and send weekly email performance reports to agents and brokers
- Improved performance by improving time efficiency of processes through reducing API calls and adjusting SQL queries.

**Software Engineer**, Redtail Technology, Sacramento, CA

08/2019 – 01/2020

- Implemented RxJS library in product to for a 100% improvement in time performance and to prevent race conditions.
- Wrote end-to-end tests to prevent regressions using Cypress testing framework.

**Software Engineer Intern**, Redtail Technology, Sacramento, CA

05/2019 – 08/2019

- Developed room booking app with TypeScript and React for internal use by Redtail Technology employees.
- Implemented calendar functionality using FullCalendar library and React component composition.
- Implemented CRUD actions for room bookings using AJAX calls to Redtail API.
- Improved perceived loading performance by prioritizing AJAX requests by room popularity.
- Ensured persistence of room preferences through use of local storage

## RELEVANT EXPERIENCE AND PROJECTS

**Controls and Power Team Lead**, Hornet Hyperloop, CSUS

12/2017 – 12/2019

Managing a team of 30+ engineers and programmers in the Hornet Hyperloop club.

- Built scaled-down prototype focused on automation of travel for purposes of Hyperloop Pod Competition hosted by SpaceX.
- Worked on physical design and implementation of pod control system electronics.
- Oversaw and assisted with implementation of pod controls and data acquisition using peer to peer network (CAN BUS) which resulted in increases in product efficiency and performance.
- Invited to SpaceX to present in Hyperloop Competition III & IV in 2018 & 2019 and aiming at breaking 350+ mph for Hyperloop Competition V in 2020.

**Python Bulk SMS Messaging Application**

2019

- Fulfilled business need of family restaurant to send low-cost bulk SMS messages.
- Wrote full stack Python application with GUI to allow business owners to message customer base.
- Interfaced with GSM modem using AT commands.

**Muzei Android Application Testing**

2019

- Tested Google's Muzei application to ensure functionality, usability, and consistency.
- Implemented end-to-end tests with Espresso and Appium testing frameworks, and UIAutomator2 driver

## LEADERSHIP EXPERIENCE

**President, Executive Committee**, Hornet Hyperloop, CSUS

05/2019 – 12/2019

Club Lead in charge of ensuring club funds, project workflow, and team efficiency and participation. Implemented Agile methodology to vastly improve efficiency. Managed sponsor team. Improved club presence on social media.

**Treasurer, Executive Committee**, Hornet Hyperloop, CSUS

05/2018 – 05/2019

**Event Coordinator**, IEEE, CSUS

08/2018 – 12/2019

**Student Senator**, Student Academic Senate, CSUS

2018 – 2019