**EDUCATION**

**California State University, Sacramento**  **December 2019**

B.S Computer Science Dean's Honor Roll

**TECHNICAL SKILLS**

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

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

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

**WORK EXPERIENCE**

**Software Engineer,** Realtor.com, Santa Clara, CA **02/2020 – Present**

* Worked on 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 scripts through reducing API calls and adjusting SQL queries

**Software Engineer,** Redtail Technology, Sacramento, CA **08/2019 – 01/2020**

* Helped implement RxJS library to optimize application performance and prevent bugs due to 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**

* Created 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

**Instructional Assistant,** Robla Preschool, Sacramento, CA **08/2015 – 06/2019**

* Managed and assisted classrooms of 20+ three to five-year-old children.
* Coordinated with lead teacher to ensure consistent approach to social emotional and practical learning as prescribed by California Preschool Curriculum Framework.

**RELEVANT EXPERIENCE AND PROJECTS**

**Controls and Power Team Lead,** Hornet Hyperloop,CSUS **12/2017 – Present**

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.

**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

**Python Mass SMS Messaging Application**  **2019**

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

**LEADERSHIP EXPERIENCE**

**President, Executive Committee,** Hornet Hyperloop, CSUS **05/2019 – Present**

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**