

TALAL JAWAID

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U.S Citizen

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EDUCATION

California State University, Sacramento

B.S Computer Science

Expected Graduation: December 2019

Dean's Honor Roll

TECHNICAL SKILLS

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

Frameworks: React, Cypress, Appium, Espresso, Codename One

Tools: Git, Agile and Scrum Methodologies, RxJS

WORK EXPERIENCE

Software Engineer, Redtail Technology, Sacramento, CA

08/2019 – Present

- Helped implement RxJS library to improve application performance and prevent bugs due to race conditions
- Wrote end-to-end tests 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.
- Implemented 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

Asteroids Java Game

2019

- Used object-oriented graphics programming in Java using Codename One framework to create game mimicking Atari's Asteroids game.

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