

TALAL JAWAID

Email: talaljawaid916@gmail.com

LinkedIn: <https://www.linkedin.com/in/Talal916>
GitHub: <https://github.com/talal916>

EDUCATION

California State University, Sacramento
B.S Computer Science, GPA 3.11/4.00

Fall 2017 - December 2019
Dean's Honor Roll

TECHNICAL SKILLS

Programming Languages: C/C++, Java, Python, JavaScript, TypeScript
Frameworks: Codename One, Appium, Espresso, React
Tools: Git, Agile and Scrum Methodologies, Eclipse, Visual Studio, LaTeX

PROJECTS

Controls and Power Team Lead, Hornet Hyperloop, CSUS 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.

WORK EXPERIENCE

Software Development Intern, Redtail Technology, Sacramento, CA 2019-Present

- 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 2015-2019

- 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.

LEADERSHIP EXPERIENCE

President, Executive Committee, Hornet Hyperloop, CSUS 2018-Present

Club Lead in charge of ensuring club funds, project workflow, and team efficiency and participation. Implemented Agile methodology to vastly improve efficiency. Directly met with sponsors and developed relations to fund club. Helped improve club presence on social media.

Treasurer, Executive Committee, Hornet Hyperloop, CSUS 2018-2019

Club Lead in charge of managing annual budget for most expensive engineering club on campus. Generated over \$50k in three months for Pod manufacturing budget through sponsorships and corporate outreach. Helped grow club from 10 engineers to 60+ engineers, marketers, and coordinators.

Event Coordinator, IEEE, CSUS 2018

Club Officer in charge of coordinating with industry contacts and hosting events on campus.

Student Academic Senate Committee, CSUS 2018-2019

Served on advisory body to main student government association, ASI, to take positions on academic issues.