

Wendell Rodrigues

San Jose, CA w@wendellrodrigues.com

EDUCATION

Bachelor of Science | San Jose State University | San Jose, CA | Graduated: May 2021

- ♦ **Major:** Industrial Technology (Computer Electronics and Network Technology)
 - ♦ **Minor:** Business Administration
 - ♦ **Courses:** Data Structures in Java, Discrete Mathematics, Network Theory and Applications, Automation/Control, Blockchain Applications, Machine Learning, Humanities Honors Program
 - ♦ **Distinctions:** Dean's Scholar Distinction : Spring 2018, Fall 2018, Spring 2019
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EXPERIENCE

TiVo Corporation | San Jose, CA | Software Engineer Intern

JUNE 2019 – AUGUST 2019

- ♦ Took ownership of and provided support for more than 40 existing internal API endpoints
 - ♦ Designed and architected serialized REST API endpoints to empower operations employees to increase service reliability.
 - ♦ Decreased troubleshooting time by implementing a user interface that visualizes service conditions
 - ♦ Proposed, designed, and implemented a Slack bot that provides status information for 30 vital internal processes
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TECHNICAL SKILLS

♦ JavaScript | SwiftUI | React.js | Java | PHP | Docker | AWS | Python

PROJECTS

Project Retail Senior Capstone | San Jose State University | Team Lead / Software Lead

www.projectretail.net

AUGUST 2020 – MAY 2021

- ♦ Led a team of four in the successful proposal, completion, and presentation of a four-part hardware + software system
- ♦ Took ownership of, designed, and implemented an iPhone & iPad App to utilize iBeacon ranging to track user location
- ♦ Designed and launched an API using Node.js + Express.js, Docker, and Amazon AWS
- ♦ Coordinated the design, soldering & implementation of an Arduino web server-controlled shelf system circuit

Drone Landing Pad | San Jose State University | Software Lead

SEPTEMBER 2019 – DECEMBER 2019

- ♦ Led a team of four in designing and proposing an automated drone landing pad
 - ♦ Implemented an Arduino-based solution with ultrasonic and RFID inputs for gathering data and authorizing drones
 - ♦ Created a server that calculated, serialized, and relayed data from the Arduino to a real-time dashboard
 - ♦ Designed and implemented a real-time dashboard solution using React.js that utilized a web socket connection
 - ♦ Coordinated and brainstormed with our hardware team to create a 3-D printed model to house all hardware components
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HONORS

Epsilon Pi Tau Honors Society (Rho Chapter) | General Member

DECEMBER 2018 – PRESENT