

# JACKSON WHEELER

## Graduate Computer Science Student

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 <https://jacksonjw.com>

 Los Gatos, CA

## Education

### *Computer Science (B.S.)*

Santa Clara University

Graduated: 12/13/2019

GPA: 3.66

### *Computer Science & Engineering (M.S.)*

Santa Clara University

Expected Graduation: December 2020

## Skills

### Full Stack Web Development

Back-End and Front-End experience  
Database Management and Migrations  
Deployment (AWS, Apache)

### Micro-controller Programming

ESP32, Arduino

## Languages and Frameworks

### Javascript, NodeJS

ReactJS, React Native  
Express

### Python

Flask  
Django

### C/C++

Espressif ESP-IDF

### Java

PostgreSQL with various ORM libraries  
Amazon AWS(s3, ec2, rds, route 53)  
WebGL and HTML5 Canvas

## About Me

I'm a full stack engineer with a lot of interest in building products that people love. I'm looking for an internship where I can learn from the industry's best software engineers and product leaders. I'm currently pursuing a Masters degree for Computer Science at Santa Clara University.

## Experience

### **uBridge, *Developer***

*January 2018 - November 2019*

- Served as a lead developer at uBridge, a college startup focused on helping connecting college students with complementary skills in order to accomplish projects.
- Collaborated with a team of three to conceptualize, design, and develop a social media platform from the ground up.
- We used the Django framework, and the frontend was created using Jinja2 templates. I used websockets with asynchronous backend processing backed by a Redis cache to build an instant messaging system. The system was deployed on AWS using EC2, S3, RDS, and Route 53

### **DoubleCrown, *Engineering Intern***

*February - September 2018*

- I worked closely with a small, talented team to help develop an innovative social gaming application. I developed several end-to-end features for both end users and internal administrators
- This internship involved programming in ReactJS/React Native, as well as managing a local Postgres server and writing db migrations for production.
- I developed an administrative interface in React JS so that DoubleCrown employees could customize content shown in the app.

### **SCU Math & CS Dept. *Research Intern***

*June - September 2017*

- I worked under the guidance of a professor to create an application to visualize graphs.
- This program utilized a debugging tool to visualize types of C/C++ graphs and trees in HTML5 Canvas. This was accomplished using the LLDB debugger's Python API.

### **Itron Inc. *Engineering Intern***

*June - August 2016*

- I worked as an intern for the Itron Riva team, and gained experience working with IOT devices. I created demo programs and hardware for the Riva Edge Board for use at trade shows. This involved mostly work configuring and managing networks of Linux based systems.

### **MileIQ/Mobile Data Labs Inc. *Summer Intern***

*June - August 2015*

- Worked with a talented team of engineers, product managers and designers on one of the top-grossing financial apps in both app stores, MileIQ.
- My responsibilities included creating various administrative and support tools using PostgreSQL, Python (running on Flask).
- One of the most challenging and rewarding projects was building a geospatial mapping tool so that the marketing team could visualize the geographical locations where the app was most actively used.



<https://www.linkedin.com/in/jacksonjwheeler>



<https://github.com/jacksonjw12>