

# Wilhelm Willie

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## EDUCATION

### **University of Southern California**

B.S. Computer Science and  
Business Administration  
*Presidential Scholarship*

## SKILLS

### **Languages**

JavaScript, Java, Python, C++,  
Ruby, HTML, CSS, SQL

### **Technologies**

Node.js, Express, Rails, Flask,  
Angular, React, React Native,  
MongoDB, MySQL, Java EE

## ACTIVITIES & LEADERSHIP

### **CSCI 104 - Data Structures and Object Oriented Design**

*Undergraduate TA*

Assist students during labs, grade  
homework assignments, and hold  
office hours

### **Code the Change**

*Product Manager*

Currently working with a non-profit  
organization, Vision to Learn, to  
scope and build an application that  
simplifies their data processing  
workflows

### **Scope USC**

*Director of Projects*

Authored project-based React Native  
and Node.js curriculums and  
mentored students on using newly  
learned skills to build amazing  
projects

### **LavaLab**

*Developer*

Collaborated with a team of 4 to  
ideate, design, and build the MVP for  
a makeup content platform startup

## EXPERIENCE

### **Salesforce - Software Engineering Intern**

May 2018 - Aug 2018 | San Francisco, CA

- Developed and released internal web apps that centralized engineering business processes and collected internal innovation data
- Built re-usable full-stack web components used in several web apps maintained by Salesforce's T&P organization
- Integrated internal systems with Learn++ (plusplus.co) using REST APIs which allowed external class registration data to be used within internal Salesforce tools
- Wrote several test cases and methods for our application's backends resulting in 87% code coverage
- Built and designed a full stack prototype of a centralized engagement dashboard for reporting on internal innovation

### **McKinsey & Company, Digital Labs - Full Stack Developer Intern**

Jun 2017 - Aug 2017 | New York, NY

- Collaborated with designers, engineers, and analysts to help design, build, and scope out a brand new customer experience web application
- Developed front-end components and services for a customer experience web application using HTML5, SASS, and Angular 2
- Led initiative to refactor code base to ensure code met consistent standards and was sustainable in the long term
- Designed application's backend database schema and Java Spring API to ensure long-term maintainability and scalability
- Evaluated and improved client's existing DevOps practices by introducing Git, Jenkins, and automated testing/deployment

## PROJECTS

### **AuxQ | Node.js, Express, Sockets, React, MongoDB, Heroku**

- Built a REST API with Node.js and front-end interface in React that allowed users to create collaborative playlists that update in real-time via web sockets

### **Tripi | Java, MySQL, Bootstrap, Web Sockets**

- Built a platform for users to create and share trip itineraries. Integrated with Google Maps API and EventBrite's API and used web sockets for a real-time home page feed

### **Kit | Ruby on Rails, jQuery, Bootstrap, MySQL, Heroku**

- Built a Ruby on Rails MVP web app that helps beauty enthusiasts discover new products, find inspiration, and connect with brands and influencers

### **Tommy Bot | Node.js, MongoDB, Api.ai**

- Collaborated with other students to build a Messenger chatbot with Node.js and Api.ai that helps provide campus information to USC students using basic NLP

### **SwipeX | React Native, Google Images API**

- Built a Tinder-like mobile app that generates a deck of swipe-able cards based off a given query (ex: dogs, cars)