

# Rey Tang

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## **EDUCATION**

UNIVERSITY OF CALIFORNIA – SANTA BARBARA

*Santa Barbara, CA*

### **College of Engineering**

*2014 – 2017 (Expected)*

B.S. Computer Science, Music Minor

Cumulative GPA: 3.81, College of Engineering Honors

## **SKILLS & ABILITIES**

- Languages : C , C++ , Ruby , Javascript (ES6) , Python , SQL , C#
- Frameworks/Libraries : Ruby on Rails , React/Redux , JQuery , d3.js , nvD3.js , ASP.NET 4.0
- Other Skills : Mandarin Chinese (Traditional) , Photoshop , Wireframes , GIMP
- Interests : Singing , Music Composition , Meditation , Blogging , Entrepreneurship

## **EXPERIENCE**

DEVELOPMENT INTERN – PROCORE | Santa Barbara, CA

*June 2016 – September 2016*

- Built out API end-points and serializers for internal and external consumption
- Constructed SQL queries to extract data and create meaningful data visualizations
- Paired with both front-end and back-end engineers to implement a new reporting dashboard
- Created a chatting client MVP for the Procore application utilizing React on Rails

HEAD OF TECHNOLOGY – ALPHA KAPPA PSI | Santa Barbara, CA

*February 2016 – June 2016*

- Created the technology committee to foster the appreciation and need for engineering in business
- Led a tight-knit committee of six to implement sign-in and online applications for prospective members
- Converted the entire website from the outdated PHP framework to Ruby on Rails
- Designed and created the IV Connect catalogue, a fraternity fundraising venture

SOFTWARE DEVELOPMENT INTERN – AUTOVITALS | Goleta, CA

*October 2015 – April 2016*

- Utilized ASP.NET and d3.js to create a dashboard which tracks shop efficiency, effectiveness, and performance
- Created dynamic reports that indicated the effectiveness of each service-advisor/technician pairing
- Implemented monitoring system to track the completion of product onboarding with Google Apps Script
- Learned how to work from a remote coding environment

## **PROJECTS**

WANDERLEASE (Ruby) | Co-Founder

*January 2017 - Present*

- Co-founded Wanderlease, a sublease matching application, with five others
- Conducted thorough market validation, interviews, research, and UI/UX testing
- Designed clustering algorithm for automated tenant matching

KOS (C) | Operating Systems

*January 2017 - March 2017*

- Designed and created simple operating system mounted on a DEC MIPS R3000 simulator
- Implemented all basic UNIX system calls including fork, exec, wait, pipe, dup, dup2, sbrk, etc.
- Utilized fixed-partition memory design and round-robin scheduling scheme for process management

CAREER FAIR RECRUITING APP (Objective-C) | Workday

*September 2016 - March 2017*

- Acted as scrum master in group of five, facilitating ticket management and agile development
- Created parser successfully extracting contact information from resume image with OCR technology
- Utilized D&C methodology to create a machine learning model dividing resume into relevant pieces

PROCORE CHAT (Javascript) | Procore

*June 2016*

- Constructed a simple private messaging client MVP with the Twilio API
- Utilized the React on Rails technology stack (Rails, React, Redux)
- Designed and implemented the chatting client from the ground up in a group of three

INSTA-YAK (Java) | SBHacks

*January 2015*

- Developed a location-based photo & message sharing social application for Android
- Integrated Cisco API, Firebase, and AWS to create the application