

# OCEAN RONQUILLO MORGAN

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## CONTACT



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## SKILLS

### LANGUAGES

- Java
- Python
- C / C++
- HTML / CSS
- Javascript

### FRAMEWORKS

- Node.js
- React.js
- React Native
- Redux
- Vue.js

### OTHER

- Videography
- Photography

### BUSINESS

- Search Engine Optimization
- Digital Marketing
- Google Analytics

## ORGANIZATIONS

### ATHENAHACKS (2017)

*AthenaSquared Committee*

- Member of the volunteer committee that ensures the all-female hackathon event runs smoothly

### SCOPE (2017)

*Student Developer*

- Selected with a < 18% acceptance rate
- Learned React.js in the spring and built a variety of projects in small development teams
- Learned React Native in the fall and built several mobile applications

### SOCIETY OF WOMEN ENGINEERS (2017)

*Member*

### ASSOC. OF COMPUTING MACHINERY (2017)

*Member*

## EDUCATION

### COMPUTER SCIENCE / BUSINESS ADMINISTRATION (B.S)

University of Southern California  
2016 - 2020

## EXPERIENCE

### HackSC Junior

Organizer – Marketing Team | Los Angeles, CA | 2017 - Present

Hackathon that fosters computer science principles for young students through an intensive one-day programming challenge.

- Responsible for rebranding and revamping the HackSC Junior website, extending social media presence, managing advertising materials, and recruiting high schoolers and middle schoolers with a minority focus

### YouTube

Content Creator | 2012-2016

Launched and operated a limited liability corporation and partnered with the largest entertainment network on the platform.

- Developed branding expertise, marketing strategies, and SEO techniques to generate over five million unique web hits
- Managed monetized content and established proficiency with cross-platform post-production software

## PROJECTS

### Notekeeper – *Full-Stack Web Application*

*Vue.js*

- Notebook application with fully integrated user authentication and realtime database
- Implemented state management with Vuex
- Created with Vue.js on the front-end, Node.js / Express / Firebase on the backend, and Heroku for deployment

### Librarian – *Mobile Application*

*React Native*

- Book finder application where users can search for a book title and see the results in a list
- Implemented Google's Book API

### Recipe Finder – *Web Application*

*React*

- Food finder application that allows a user to enter any ingredient or dish and store their favorite recipes
- Implemented state management with Redux
- Utilized the Recipe Puppy API

### The Social Network – *C++ Application*

*C++*

- Social network model application allowing users to be added, friend connections made, etc.
- Implemented a Breadth-First Search algorithm for computing shortest paths, friend suggestions, and disjointed user sets
- Handled a user database using classes and file I/O techniques

### Chroma Keyer – *Image Processing Application*

*C++*

- Performs a green-screen operation on bitmap images
- Implemented an automatic threshold determination algorithm utilizing the BMP library and mathematically deriving the RGB color space