

# Reniel Ocampo

Email: [renielxocampo@gmail.com](mailto:renielxocampo@gmail.com)

Phone: (714) 746-5156

Website: <https://ren1el.github.io/>

GitHub: <https://github.com/ren1el>

LinkedIn: <https://www.linkedin.com/in/renielocampo/>

## Education

### University of California Irvine

Sept. 2016 – Jun. 2020

#### B.S. Computer Science

Specialization: Systems and Software

Dean's Honor List (8 academic quarters)

GPA: 3.641/4.0

## Experience

### Undergraduate Research Assistant

Jan. 2020 – Jun. 2020

UC Irvine Donald Bren School of Information & Computer Sciences

- Developed and published a children's voice game as an Amazon Alexa skill in Node.js
- Reduced codebase from  $\approx 1400$  lines to  $\approx 600$  lines on top of added features and functionality
- Worked with a team to research the intersections of voice interaction and game design for young children
- Featured under the UC Irvine 2020 Undergraduate Research Spotlight

### Python Tutor

Sept. 2019 – Dec. 2019

UC Irvine Donald Bren School of Information & Computer Sciences

- Tutored a class of 40 students in the Introduction to Programming course at UC Irvine
- Answered student questions related to Python fundamentals including simple data structures and algorithms
- Received "Highly Effective" evaluations from students in helping understand and communicate concepts

## Projects

### Zyllabi { <https://shielded-brushlands-61437.herokuapp.com/> }

A full stack (MERN) web application that crowd-sources and organizes course syllabi from UC Irvine.

- Node.js backend server with an Express-built REST API
- React frontend utilizing functional components and hooks
- Google API (OAuth 2.0) for authentication, AWS S3 bucket for user uploads, React Router for navigation, and Heroku for deployment
- Responsive HTML&CSS with a number of React Bootstrap components

### Animal Actions

A published Alexa skill designed for kids that asks them to listen and respond to sounds of animals and their characterized actions.

- Developed using JavaScript in a Node.js environment on the Alexa Developer Console
- Proposed then led the refactoring of the codebase on top of implementing new features such as visuals
- Followed the Alexa Skills Kit online documentation throughout development

### Personal Portfolio { <https://ren1el.github.io/> }

A portfolio website that hosts details about me and my projects (including those not listed here)

- Created from scratch using the Gatsby.js framework and deployed on GitHub Pages
- Uses CSS flexbox techniques and implements responsiveness through media queries
- JavaScript animations using Framer Motion API

## Technical Skills

### Programming Languages

- *Proficient:* JavaScript, TypeScript, Java, Python
- *Previous Experience:* C, C++, SQL

### Concepts/Courses

- User interaction software, information retrieval, embedded systems

### Technologies

- *Proficient:* React, Gatsby, Node.js, Express, Bootstrap, MongoDB, jQuery, Git
- *Previous Experience:* Redux, GraphQL, Angular

### Software

- Adobe Photoshop, Adobe XD, Visual Studio Code, Android Studio