Reniel Ocampo

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EDUCATION

University of California Irvine　　　　　　　　　　　　　　　　　Sept. 2016 – Jun. 2020
Degree: B.S. Computer Science
Specialization: Systems and Software
Awards: Dean's Honor List (8 academic quarters), Discover Scholarship
GPA: 3.641/4.0

EXPERIENCE

Undergraduate Research Assistant, Lead Developer　　　　　　　　Jan. 2020 – Jun. 2020
UC Irvine Donald Bren School of Information & Computer Sciences
> Developed a children's voice game as an Amazon Alexa skill in **Node.js**, overseeing development improvements and being responsible for implementing new features
> Refactored the existing codebase, reducing the number of lines by 57% and greatly increasing performance
> Collaborated with an agile team to research children's interactions between voice assistants and voice apps, earning a feature 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 lab course at UC Irvine
> Answered student questions related to Python and programming fundamentals
> Received "Highly Effective" evaluations in helping understand and communicate concepts

PROJECTS

Zyllabi @ zyllabi.herokuapp.com
A full stack MERN web application that crowd-sources and organizes course syllabi for UC Irvine students
> Created a backend using a **Node.js** server with an **Express** built RESTful API and a **MongoDB** database
> Developed the frontend with **React** to create a single page application, enhancing the UI's user flow
> Integrated **Google API** (OAuth 2.0) for user authentication, **AWS S3** bucket for document storage, **React Router** for declarative routing, **Jest** for backend integration tests, and **Heroku** for deployment
> Designed reusable, responsive **HTML5** & **CSS3** components using **CSS modules** and added a number of **Bootstrap** components for device support

Clayformee @ clayformee.gtsb.io
A mobile-first e-commerce website for a client's clay earring business
> Built a headless website using the **Gatsby** React framework and **Shopify's Storefront API** as the CMS for the client
> Developed a **Redux** store to manage the cart state and its interaction with Shopify
> Styled using **Styled Components** using best practices for **HTML5** semantic elements as well as **CSS3** grid layouts, media queries, and animations
> Optimized speed by deploying on Gatsby cloud and implementing techniques such as lazy loading
> Designed a modern interface and mockup using **Adobe Photoshop, Adobe XD,** and **Figma**

Animal Actions
An Amazon Alexa skill that asks kids to follow a narrative story and answer questions using their speech input
> Developed using **JavaScript** in a **Node.js** environment on the Alexa Developer Console
> Proposed then headed the refactoring of the codebase alongside developing new features such as visuals
> Tested the app with children aged 3-6 and analyzed the data to evaluate new iterations of the game for research

SKILLS

Languages
JavaScript (ES6+), HTML5, CSS3, Python, Java, TypeScript, C, C++, SQL

Technologies
React, Redux, Gatsby, Node.js, Express, AWS, MongoDB, Bootstrap, Styled Components, Git, GraphQL