

# Daniel Duong

University of California, Irvine — Class of 2018 — Mechanical Engineering  
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## Projects

### Instadroid

Apr. 2020 -

#### Present

- Built an Instagram automation application for Android to increase engagement and followers
- Utilized Accessibility Service API to simulate scrolling and clicking to automate common tasks
- Used SQLite to save daily routines and success/fail logs & RecyclerView to display this data

### Kawaii Pet Prints

Jan. 2020 - Feb 2020

- Developed an image proofing app that allows a graphic designer to upload completed artwork where customers are able to approve the work with a selection of backgrounds
- Wrote 9 API endpoints for logging a customer in, retrieving data, updating data, and uploading images

### Aquarium PAR Database

May 2019 - Present

- Built a web app using ReactJS and NodeJS to share aquarium PAR data on various lighting fixtures
- Developed REST API & utilized DynamoDB and AWS S3 with Cloudfront CDN to store data and images
- Applied CSS to style responsive pages for desktop and mobile devices
- Generated net positive revenue & averaged 109 new users per month with a 46% bounce rate

### How Many Jelly Beans?

Jan. 2019 - May 2019

- Built a web app using ReactJS, NodeJS, and PostgreSQL to rank players participating in a fundraising guessing game
- Wrote 9 API endpoints to control the flow of data and utilized sockets.io for real-time updates of new players and calculating rank when the game ends

## Relevant Coursework

### UCI Classes

- EECS 12 — Introduction To Programming: Learned how to use data types, functions, control flow, recursion, object-based programming
- MAE 106 — Mech Systems Lab: Worked in a team of 3 to construct an autonomous robot to navigate a course, took on the role of Arduino Programmer to get data from magnetometer and reed switch to control servo angles for steering the robot

### Udemy

- Colt Steele's Web Developer Bootcamp: Learned about CSS, HTML, JavaScript, DOM manipulation, server side NodeJS, & command line basics
- Andrew Mead's Node.js Developer Course: Learned about http requests, useful node modules (axios, lodash, validator), promises, async/await, REST API design

## Work Experience

### Volunteer

January 2017 - Present

#### Interval House | Long Beach

- Researched 1000+ hotels around the world to request room donations and performed data entry into company's database to keep it up to date
- Organized toy drive to distribute toys to underprivileged families

## Skills

- Java, JavaScript / HTML / CSS, ReactJS, VueJS, ExpressJS, SASS, npm, REST API, MySQL
- Amazon Web Services (AWS) — S3, Lambda, DynamoDB, CloudFront
- Programs — Git, Microsoft Visual Studio, Postman, Adobe Illustrator