
OBJECTIVE

To gain experience in applying computer science skills learned in the classroom to outside of the classroom via developing and implementing practical real-world applications.

PROJECTS

Facebook Messenger Bot (CLRK.BOT)

- Built a personal Facebook Messenger bot that can make REST API calls.
- Developed by daisy-chaining multiple APIs together including Twitter, Spotify, OMDb (Online Movie Database, and Google Weather APIs.
- Developed and tested messaging features using a local Node.js server.
- Authored reverse geocoding algorithm that retrieves weather data relative to user location.

Float File Share

- Primary responsibilities include design and development of server and client-side code.
- Developed UI/UX using React.js.
- Modified and tested location-based file sharing feature using MongoDB geospatial queries

Lazy Food

- Primary responsibilities include authoring an algorithm that recognizes images of food with the help of Google Vision API.
- Developed and tested recipe generation based off given foods using Yummly Recipe API.

Twitch.tv Web Scraper

- Developed a full-stack application that uses Google Chrome's headless browser Puppeteer to scrape and render Twitch data.
- Maintained and tested database queries using MongoDB and Node.js.

Project Slimey (HackUCI 2018)

- Built a virtual pet in 36 hours using HTML, CSS, JavaScript, Node.js, and MongoDB.
- Primary responsibilities include maintaining sever-side code using Express.
- Implemented email functionality that allows users to receive emails of their pet's stats via SendGrid's API.

What Do You Meme? (LA Hacks 2018)

- Built a meme-based compatibility test using Express, Handlebars.js, and Socket.io
- Primary responsibilities include maintaining and developing multiple Socket.io connections to application server.

EXPERIENCE

Research Assistant

January 2018 - Present

Weibel Lab UCSD

- Primary responsibilities include developing and designing UI/UX for clients to use.
- Built and maintained pipelines to Twitter API, MongoDB, and Machine Learning Algorithm using Node.js and Express.
- Modified server code to enable the transition from local hosting to a cloud platform using Heroku.

Software Engineering Internship

June 2018 (expected) – September 2018 (expected)

L3 Telemetry & RF Products

- Will work on developing full-stack web applications.
- Will gain experience developing in Redux.

EDUCATION

University of California, San Diego

September 2016 – June 2020 (expected)

San Diego, CA

- Bachelor's Degree in Mathematics/Computer Science (3.2 GPA)

UCSD Extension Coding Boot Camp

November 2017 – February 2018

San Diego, CA

- Certificate in Full-Stack Development