CLARK PHAN

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EDUCATION

University of California, San Diego   September 2016 – June 2020 (Expected)

Bachelor of Science in Mathematics/Computer Science

UCSD Extension Coding Boot Camp   November 2017 – February 2018

Certificate in Full-Stack Development

EXPERIENCE

Software Engineering Internship   June 2018 – September 2019

L3Harris Technologies

- Implemented database version control in MongoDB for Meteor web application.
- Created many unit and integration tests using Enzyme, Mocha, and Chai.
- Collaborated with Principle Software Engineer to create End-to-End tests.
- Improved upon existing UI by integrating new React.js components.
- Used React-Redux to manage multiple complex React.js component states.
- Developed and improved on queries for REST API in Spark Framework which reduced the number of API calls.
- Authored automated testing application for REST API in CLI.
- Worked in an AGILE environment and attended Scrum/Kanban meetings.

Web Master   June 2018 - Present

Theta Tau UCSD

- Primary responsibilities include maintaining organization website and web application.
- Maintained a Firebase DB with information of hundreds of users.
- Collaborated with internal board members to gather requirements in order to ensure that user experience on mobile application was optimal.

Research Assistant   January 2018 – June 2018

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.

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 Move Database, and Google Weather APIs.
- Developed and tested messaging features using Nginx.
- 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 as a full-stack developer.
- Modified and tested location-based file sharing feature using MongoDB geospatial queries.

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 REST Endpoints and API 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.