

# CLARK PHAN

(714) 837-1419

clark@clarkphan.com

www.github.com/clarkphan

www.clarkphan.com

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## EDUCATION

### University of California, San Diego

Bachelor of Science in Mathematics/Computer Science

September 2016 – June 2020 (Expected)

### UCSD Extension Coding Boot Camp

Certificate in Full-Stack Development

November 2017 – February 2018

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## EXPERIENCE

### Software Engineering Internship

*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.

June 2018 – September 2019

### Web Master

*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.

June 2018 - Present

### Research Assistant

*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.

January 2018 – June 2018

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## 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 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.

### 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.

### 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.