

# **Clark Phan**

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## **Objective**

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

## **Education/Experience**

### **UNIVERSITY OF CALIFORNIA SAN DIEGO**

**September 2016 – June 2020 (expected)**

- Major: Math/Computer Science (3.2 GPA)
- Relevant Coursework:
  - CSE 11 - Introduction to Computer Science and Object-Oriented Programming: Java
  - CSE 12 - Basic Data Structures and Object-Oriented Design
  - CSE 15L - Software Tools and Lab Techniques
  - CSE 30 - Computer Organization and Systems Programming

### **UCSD Extension Coding Boot Camp**

**November 2017 – February 2018**

- An intensive 12-week long full-time program dedicated to designing and building web applications. (MERN Stack)
- Skills learned:
  - HTML5, CSS, Javascript, JQuery, Bootstrap, Handlebars, Firebase, MySQL, MongoDB, Express.js, React.js, Node.js, Git and Heroku.

### **Research Assistant (Weibel Labs UCSD)**

**January 2018 – Present**

- Study utilizes publicly available data from Twitter to characterize the structure of social networks of local population who may be at risk of acquiring or transmitting HIV infection in the San Diego Area using machine learning.
- Full-stack developer
  - Developed user interface for clients to participate in survey
  - Maintained backend pipelines to Twitter API, MongoDB, & Machine learning algorithm

## **Projects**

### **Facebook Messenger Bot**

- Personal Facebook Messenger bot that can make REST API calls to Twitter, Spotify, OMDb (Online Movie Database), and Google Weather API.
  - Bot has reverse geocoding functionality to retrieve weather data relative to location sent to it

## **Technical Skills**

### **Website Development**

- HTML/CSS/React.js/Handlebars.js
- Node.js/jQuery
- MySQL/mongoDB/dynamoDB/Firebase

### **Programming Languages**

- Java/JavaScript/C/C++/Python