



CLARK PHAN

 clarkphan.dev

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 clarkphan

 clark-phan

EDUCATION

University of California, San Diego

September 2016 – June 2020

B.S. Mathematics – Computer Science

Coursework: Object-Oriented Design, Design and Analysis of Algorithms, Advanced Data Structures and Algorithms, Web App Performance and Monitoring, Software Tools and Techniques, Software System Design and Implementation

UCSD Extension Coding Boot Camp

November 2017 – February 2018

Certificate in Full-Stack Development (250+ Hours of Web Development Training)

Curriculum: Full Stack JavaScript & Computer Science

EXPERIENCE

L3Harris Technologies

June 2020 – Present

Software Engineer

- Used JavaScript, HTML, CSS, and MongoDB to develop web-based application solutions
- Created 15+ reusable React.js components according to needs of customers and users
- Developed customized software solutions using Node.js and Docker
- Created 30+ unit and integration tests, reducing the cost of future bug fixes while increasing code quality
- Developed efficient and maintainable software according to business objectives and needs of customers
- Presented accomplishments and goals to chief engineers and upper management
- Attended standup meetings and discussed issues on Atlassian Jira, Bitbucket, and Confluence

Major Map Initiative

January 2020 – June 2020

Founder

- Developed majormap.ucsd.edu, a web-based course prerequisite visualizer for students to plan their coursework better
- Built a course map visualizer tool in Python, JavaScript, and HTML/CSS
- Implemented a script in Python to web scrape UCSD online course catalogs HTML
- Applied BFS graph traversal algorithm to generate directed graphs of course prerequisites

Theta Tau

June 2018 – June 2020

Web Master

- Won 1st place award for Best Website at the 2019 Theta Tau Western Regionals Convention
- Maintained and scaled a Google Firebase Realtime Database consisting of 100+ users

RECENT PROJECTS

Web Dashboard

- Built a web dashboard which displays the daily weather forecast for any city or place around the world
- Developed using React.js, TypeScript, Styled Components, and real-time data from the OpenWeatherMap API
- Supports Google Search

Stock Bot

- Created a Discord Bot that displays the current stock ticker price from a user inputted command
- Developed using TypeScript and discord.js, a Node.js module that allows for interaction with the Discord API

SKILLS

Languages: JavaScript, HTML, CSS, Java, Python

Frameworks/Libraries: React.js, Redux, Next.js, Meteor, Bootstrap

Tools: MongoDB, Firebase, AWS, Netlify, Git, Docker

Other: Solid written and verbal communication skills, critical and creative thinking, ability to adapt and learn quickly