# **CLARK PHAN**

clarkphan.dev 🖸 clarkphan in clark-phan hello@clarkphan.dev EXPERIENCE L3Harris Technologies Software Engineer June 2020 - Present • Implemented core product features utilizing React.js, Node.js, and MongoDB • Created reusable/maintainable React components for a full stack application, ensuring 100% code reusability and maintainability • Led the design and development of 30+ new software features, ranging from frontend to backend enhancements Configured customized microservice solutions using Node.js and Docker • Improved codebase documentation, development processes, and application code according to framework/tools best practices • Developed efficient and maintainable software according to business objectives and needs of customers Software Engineer Intern June 2019 - September 2020 • Compiled common backend code into a reusable Node.js utility module Implemented unit and integration tests utilizing Mochai.js mocks/spies and Chai for assertions Attended standup meetings and discussed issues on Atlassian Jira, Bitbucket, and Confluence LEADERSHIP Major Map Initiative Founder January 2020 - June 2020 • Led a team of 6 student software developers and designers to create a web-based course prerequisite visualizer Built and tested a course map visualizer tool in Python, HTML/CSS, and D3.js • Deployed Python web scrapper script to parse 100% of UCSD's course offerings and cache in file system for web app use • Applied BFS graph traversal algorithm to generate directed graphs of course prerequisites for D3.js data visualization Theta Tau Web Master June 2018 - June 2020 Improved and updated organization's React.js website layout Maintained an internal membership portal PWA application, using Google Firebase to store data of 100+ users Won 1<sup>st</sup> place award for Best Website at 2019 Theta Tau Western Regional Conference **RECENT PROJECTS** Start Page

- Built a 'New Tab' page using Next.js, TypeScript, and TailwindCSS, deployed on Vercel
- Leveraged Open-Meteo weather API to display current weather information
- Add personalized/rearrangeable web shortcuts and Google search bar functionality

### SKILLS

Languages: JavaScript, TypeScript, HTML, CSS, Java, Python

Technologies: React, Redux, Node.js, Next.js, SQL, No-SQL, Bootstrap, Tailwind CSS, Bash/Zsh

Workflow: Git, GitHub, Docker, Netlify, Vercel

## EDUCATION

## University of California, San Diego

B.S. Mathematics – Computer Science

## UCSD Extension Coding Boot Camp

Certificate in Full-Stack Development (250+ Hours of Web Development Training) Curriculum: Full Stack JavaScript & Computer Science September 2016 - June 2020

November 2017 - February 2018