CLARK PHAN

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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 1st 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   September 2016 – June 2020

B.S. Mathematics – Computer Science

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