# CLARK PHAN

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## EDUCATION

**University of California, San Diego**                                   Graduated June 2020

Bachelor of Science in Computer Science and Mathematics
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

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## EXPERIENCE

**Software Engineer**                                                                 June 2018 – Present

*L3Harris Technologies*

- Upgraded user interface by building new React components
- Implemented Data Versioning in MongoDB
- Presented accomplishments and goals to chief engineers and upper management
- Improved software documentation to increase current and future team efficiency
- Created many unit and integration tests using Enzyme, Mocha, and Chai, reducing the cost of bug fixes
- Built CLI REST API testing tool, reducing the cost of manual testing time
- Engaged in an AGILE workflow and attended Scrum/Kanban meetings, discussing issues on Atlassian Jira and Bitbucket Git

**Webmaster**                                                                         June 2018 - Present

*Theta Tau UCSD*

- Won 1st place award for Best Website at the 2019 Theta Tau Western Regionals Convention held at UC Irvine
- Maintained a Firebase database with hundreds of user data
- Collaborated with internal board members, gathering requirements in order to ensure a satisfying user experience on mobile app

**Founding Member**                                                                   January 2020 - Present

*Major Map Initiative UCSD*

- Built course map visualizer tool in Python
- Implemented BFS to generate course map
- Expanded club to become a software/social club which servers to help all students plan their courses better

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## PROJECTS

**LeagueTrack**

- Built a full-stack application using Node.js and React/Redux to track a user's statistics in League of Legends

**Project Slimey (HackUCI)**

- Built a virtual pet in 36 hours using JavaScript, HTML, CSS, and MongoDB
- Primary responsibilities include maintaining and developing REST Endpoints and API code using Express.js
- Implemented email functionality via SendGrid API that allows users to receive emails of their virtual pet slime's real-time stats

**What Do You Meme? (LA Hacks)**

- Built a meme-based social experience web application in 36 hours using Express, Handlebars.js, and Socket.IO
- Primary responsibilities include maintaining and developing multiple Socet.IO connections to application back-end server

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## SKILLS

**Languages:** JavaScript, HTML, CSS, Java, Python, C/C++

**Frameworks/Libraries:** React.js, Redux, Express.js, Bootstrap, Meteor, Spark, jQuery, Socket.IO

**Tools:** MongoDB, Firebase, AWS, MySQL, Git, Heroku, Docker

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