

Thai Quach

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Education

San Jose State University

Graduation: December 2021

B.S. Software Engineering & Fundamental of Cybersecurity Certificate

- **Cumulative GPA: 4.0**

- Relevant Coursework: Data Structure and Algorithm, Object-Oriented Design, Software Engineering, Computer Architecture, Assembly Language Programming, Operating Systems, Information Security

Skills

- **Programming Languages:** JavaScript, Java, Python, HTML, CSS, C#, C, x86 ASM
- **Technical:** ReactJS, NodeJS, ExpressJS, MongoDB, Linux, PostgreSQL, JQuery, git, IBM Cloud Foundry, IBM Watson-AI, Nginx, Firebase, Docker Compose, TravisCI, Jest, TestComplete, Arduino, Unity, OpenCV

Work Experience

Software Automation Engineer Intern

June 2019 – August 2019

Software Testing Automation ITS, University of California: Office of the President

San Jose, CA

- Developed 7 software automation scripts and reports for test cases of new products' interfaces using TestComplete.
- Received training in project management, leadership, and attended formal meetings with engineering teams.
- Secured a return offer from overachieved intern-projects by delivering automation scripts on strict personal deadlines with the guidance of experienced software engineers.

Projects

IBM Good Tech Scholars Program

July 2020 - August 2020

IBM - <http://epicedu-demo.mybluemix.net/>

Virtual

- Built Epic-Education, an online educational platform, targeting low-income elementary school kids with disabilities.
- Developed the project's infrastructure and backend using NodeJS, Express, and React.
- Used IBM cloud services: Elephant-SQL database (PostgreSQL), Watson's Text-to-speech service, and Cloud Foundry to build and deploy the application to the cloud.
- Won 1st place in the internship program against 10 different teams.

Development Team Chair

August 2018 - Present

SJSU Software and Computer Engineering Society (SCE) - <https://sce.engr.sjsu.edu/>

San Jose, CA.

- Developed the organization website using the full-stack React, Mongo, Express, and Node.
- Used TravisCI, git, lint, and Jest to manage and write test cases for components allowing better controls and scalable future development.
- Containerized node servers with Docker and load balancing traffics with Nginx.
- Elected to be the next president of SCE in 2020.

STAKr-Calendar App Developer

March 2020 - June 2020

Personal - <https://stakr-calendar.herokuapp.com/>

San Jose, CA

- Built STAKr-Calendar App, a calendar application, allowing clients to book appointments with hosts.
- Built the project's backend with Python and Flask-framework and designed the application frontend with Bootstrap.
- Developed the appointment API and its interactive UI using JQuery and SQLite.
- Wrote backend tests and integrated auto-integration using TravisCI.

Award

- Dean Scholar – Awarded from SJSU's Engineering Department for achieving 4.0 GPA 2018 - 2020
- International Baccalaureate – Awarded the diploma for completing the IB course study May 2018

Organizations

- Software & Computer Engineering Society (SCE), SJSU M.E.S.A. Engineering Program, INROAD