

# Thai Quach

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## Education

San Jose State University

**Graduation: December 2021**

**B.S. Software Engineering** | Charles W. Davidson College of Engineering

• **Cumulative GPA: 4.0**

• Relevant Coursework: Data Structure and Algorithm, Discrete Mathematics, Multivariable Calculus, Engineering Statistic and Probability, Software Engineering, Computer Architecture.

## Skills

• **Languages:** JavaScript, Java, Python, HTML, CSS, C#

• **Tools:** Linux Ubuntu, TestComplete, git, GoogleAPI, Firebase, React.JS, Node.JS, Express.JS, MongoDB, Docker Compose, TravisCI, Jest, Raspberry PI, 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.
- Received 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)*

*San Jose, CA*

- Led a team of 20 software engineering students and coordinated different development projects for SCE.
- Developed a dynamic website using the full-stack React, Mongo, Express, and Node.
- Used TravisCI, git, and Jest to manage and write test cases for components allowing better controls and easier future development.

**STAKr-Calendar App, Developer**

*March 2020 - June 2020*

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

*San Jose, CA*

- Built STAKr-Calendar App, an 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

*May 2019*

• 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