

Sophia Phu

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EDUCATION

Texas A&M University

College Station, TX

Bachelors of Science in Computer Engineering, Minor in Mathematics, GPA: 4.0

August 2023 – May 2026

- Craig and Galen Brown Engineering Honors, National Merit and President's Endowed Scholar, Dean's Honor Roll
- Relevant Coursework: Program Design and Concepts (CSCE 120), Intro to Digital System Design (ECEN 248), Differential Equations (MATH 308), Topics in Applied Mathematics I/Linear Algebra (MATH 311), Principles of Statistics 1 (STAT 211), Calculus 3 (MATH 251)

EXPERIENCE

Software Engineering Intern

June 2022 – August 2022

JP Morgan Chase & Co.

Houston, TX

- Collaborated with a team of 8 members to create a secure banking application for JP Morgan Admin use
- Utilized React, Material UI and Spring Boot to create a dynamic user interface that access and modifies data tables in the Apache Cassandra Database
- Presented the application at the JP Morgan Tower to JP Morgan employees

Web Officer/Software Engineering Intern

February 2024 – Present

Engineering TA Organization

College Station, TX

- Implemented the Engineering TA Organization Website using React.js and Tailwind CSS, ensuring a responsive and visually appealing interface
- Managed website updates and coordinated with other TAO Officers to display news, educational material, and review dates for 4000+ engineering freshman going through introductory engineering coursework
- Oversaw community of 4000+ members (including students, peer tutors, and professors) on Discord

Projects Officer

March 2024 – Present

Aggie Coding Club

College Station, TX

- Coordinated ACC project system consisting of 250+ project members, 40+ project managers, and 20+ projects
- Organized project manager meetings and workshops allowing for an increase in project completion
- Maintained project member assignment algorithm, allowing project managers to have sufficient members

PROJECTS

AggieSeek | *React.js, Tailwind CSS, Flask, Firebase, Discord, Twilio*

January 2024

- Engineered a full stack application to notify Texas A&M students when classes open
- Implemented a user-centric interface using React.js and Tailwind CSS that allows users to select sections to track
- Scraped TAMU Compass API data using Beautiful Soup and Flask and stored the scraped data into firebase
- Set up text, email, and Discord notification system using Twilio and the Discord API

SwipeTern | *React Native, Firebase, Expo, Figma*

January 2024

- Produced an application that matches students with recruiters to make the internship recruitment process easier
- Designed a mock up of the app's screens on Figma and implemented them in React Native
- Utilized Firebase as a system for authenticating users and storing user data
- Worked closely with teammates to guarantee project completion and readiness for TAMUhack X

Sp/it | *React Native, Firebase, Expo*

September 2023

- Created a roommate companion application using React Native
- Completed features like a roommate task calendar, finance hub for splitting bills, roommate location finder, roommate chat, and a homepage with widgets that lead to implemented features
- Leveraged Firebase to manage user authentication and store user-related information

TECHNICAL SKILLS

Languages: C/C++, Java, Python, JavaScript/JSX, HTML, CSS, Verilog

Frameworks: React.js, Next.js, React Native, Django, Flask, Spring Boot, Firebase, Material-UI, Tainwind CSS

Developer Tools: Git, VS Code, PyCharm, IntelliJ, Google Cloud

Libraries: Beautiful Soup, PyMuPdf, Transformers, Tensorflow, Keras