

Chau Nguyen

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EDUCATION

University of South Florida | Tampa, FL

M.S. in Computer Science | Expected Graduation: May 2025 | GPA: 4.0/4.0

Jan 2024 - Present

B.S. in Computer Science, Minor in Mathematics | GPA: 4.0/4.0

Aug 2020 - Dec 2023

Coursework: Introduction to AI, Deep Learning, Computer Vision, Image Processing, Brain-Computer Interface, Algorithms

EXPERIENCE

Software Engineer Intern | Taperk | New York, NY

Sep 2023 - Dec 2023

- Developed the front end for an iOS and instant app using **Swift** that redeems store points and rewards for customers via NFC tags and utilized back-end APIs to fetch and process JSON data.
- Reduced the instant app size by 35% by refactoring the codebase and optimizing external libraries and media assets.
- Conducted critical bug analysis by implementing manual testing, resulting in a 20% increase in overall performance.
- Managed the deployment of the app on TestFlight for organization-wide distribution and comprehensive testing.

Undergraduate Student Research Assistant | USF | Tampa, FL

Jan 2023 - May 2023

- Collaborated with a team of 3 to fine-tune GPT-3.5 models using OpenAI API to generate questions about the user's dietary intake, extract keywords from the dietary conversation, and generate a visualized nutrient intake dashboard.
- Developed a cross-platform mobile app using **Flutter** with a conversational UI and a RESTful server-side API.

PROJECTS

[GOGO - Your AI Travel Planner](#) | ShellHacks

Sep 2023

- Designed the front end for a mobile app using **Flutter**, integrating **AWS** for backend support, Firebase for user authentication, and OpenAI API to generate personalized travel itineraries based on user's budgets and preferences.
- Utilized Google API for dynamic map markers, providing users with a visually appealing and interactive experience.

[Em-net](#) | USF Hack-a-Bull

Mar 2023

- Developed an iOS app utilizing **Solana** blockchain technology to incentivize user engagement at USF campus events.
- Integrated dynamic **Swift** front end, **RESTful API** communication via **Flask-SQLAlchemy**, a serverless **CockroachDB** database, and **Selenium** for automated web-scraping to gather event information.
- Implemented a pre-trained NLP model, DistilRoBERTa, to classify user emotions via event feedback journaling.
- Achieved 1st Place for CockroachDB Serverless Challenge at USF Hack-a-Bull in 2023.

[Rebye](#) | Database Design Project

Mar 2022

- Developed an iOS e-commerce app enabling users to sell and buy items utilizing **SQLite** for efficient data storage.
- Incorporated Firebase to prioritize user authentication and Stripe API for secure payment transactions.

[Remind Me](#) | USF Hack-a-Bull

Mar 2022

- Built a Chrome extension that reminds users to complete tasks on time using **React**, **TypeScript**, and **Bootstrap**.
- Competed with a team of 4 and won an award at USF Hack-a-Bull in 2022.

LEADERSHIP EXPERIENCE

Treasurer and Web Master | Association for Computing Machinery | USF

Aug 2021 - May 2023

- Allocated funds for on-campus events, tech workshops with industry companies, and conferences for 500+ members.
- Devised and executed a marketing strategy with 3 other chair members through social media platforms and in-person campaigns, which fostered 200+ new member registrations and a 40% increase in participation rate.

TECHNICAL SKILLS

Programming Languages: Python, C, C++, Swift, Objective-C, HTML, CSS, SQL, NoSQL, Java, Javascript, TypeScript

Software Tools/Frameworks: Git, Github, React.js, PostgreSQL, MySQL, Pytorch, Tensorflow, AWS, GCP, Flutter, Flask