

Tina Chi

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Education

University of Florida, Herbert Wertheim College of Engineering

Gainesville, FL

Bachelor of Science in Computer Science

August 2022 – June 2026

Awards: Congressional App Challenge 1st Place, Omega Phi Beta Foundation STEM to Flower recipient, AP Scholar with Honor, Fujianese Scholar

Relevant Coursework: Advanced Programming Fundamentals (C++ and Python), Applications of Discrete Structures

Technical Skills:

Programming Skills: HTML, C++, Java, Swift, JavaScript, Python, Firebase, React, Twilio API

Software/Tools: VS Code, XCode, PyCharm, GitHub/Git

Languages: Mandarin, English

Projects

bNicer (SASE hacks Hackathon 1st Place) (Python, CSS, C++, Jupyter Notebook)

October 2022 – October 2022

- Implemented a full-stack website utilizing Streamlit for the front-end and collaborated with a team of 4 to build the backend with scraper and transformers packages to parse through YouTube comments to separate them based on the types of bullying.
- Programmed an algorithm that pulled out YouTube comments from a hash map and converted it into a 1D array for a more efficient indexing.
- Utilized Google Driver and Selenium to link to the YouTube scraper.

Leftovers (Shell Hacks Hackathon) (HTML, CSS, JavaScript)

September 2022 – September 2022

- Developed a full stack website with team of 4 utilizing Twilio and Firebase API to send text messages and to store user login and food data locally on Firebase to determine the expiration of certain produce and food products.

- Programmed front end and the UX and UI of the website to increase user's retention rate to reach the goal of reducing food waste.

Got Covid? (Congressional App Challenge 1st Place) (Swift, C++)

September 2021 – November 2021

- Deployed full stack Covid-19 notification/tracking IOS application at the peak of the Covid-19 pandemic by utilizing Twilio's and Google's Firestore APIs for sending text messages, user authentication, and storing user data.
- Utilized XCode's UI Kit framework's web view to connect to CDC's website and to find and fetch vaccines and testing sites near the user to display as well as utilizing Remote Procedure Call framework and pods/pod files to connect to Google Firebase.

Your Safe Haven (HTML, CSS, JS)

August 2021 – August 2021

- Programmed a space-themed website for mental health awareness to promote mental wellness amongst my classmates and those who are stressed out during the pandemic with implementations of page navigation and audio control for audio track control
- Implemented a calming UX design with a clear and organized mental health resource information architecture of donation page, other stories, causes of mental disorder, and safe haven affirmation page.

Work Experience:

Florida Community Innovation Foundation

Intern

August 2022 – Present

- Assisting in the development of the app version for the FCI's resource map by utilizing React and datasets from the website while using social data from Florida Alliance for Response to Epidemics for effective advertisement.
- Working on the web development of the FCI resource map used by Central Florida Foundation, United Way of NW FL, and hundreds of monthly users to improve user retention rate and usability on the website for the deployment of version 3.

Code Ninjas

Assistant Lead Sensei

February 2022 – July 2022

- Instructed children 5-13 to program in JavaScript through game-based development using sprites and control algorithms for 16 hours a week and helping them debug their program by encouraging efficiency in code.
- Created and organized content for the summer camps and assisted in organizing parental sign in/out sheets and lead web-design, Roblox development, Minecraft mod, and robotics workshops of 20 students.
- Helped students debug code and directed groups to follow the curricular schedule by helping prep each activity and break time.

Activities

Computer Science club President and Founder (Pompano Beach High School)

October 2020 – June 2022

- Led and oversaw a team of 6 officers to promote computer science at school by creating/posting flyers, announcements, activities, opportunities, events, and social media posts.

PBHS Class President (Pompano Beach High School)

September 2020 – June 2022

- Worked and lead a team of class officers, sponsors, and administrations to raise over \$8,000 in fundraising through events.
- Networked with restaurants and organizations to hold spirit fundraisers for

Society of Asian Scientist Engineering Intern at UF

September 2022 – Present

- Attending general body meetings and engaging in professional development workshops with other Asian scientists and engineers

Women in Computer Science and Engineering at UF

September 2022 – Present

- Attending general body meetings, socials, company information sessions and engaging in professional development.