

Alexander Wang

(314)-952-6281 | alexander.yisu.wang@outlook.com | [linkedin.com/in/alexanderwangy](https://www.linkedin.com/in/alexanderwangy) | github.com/AlexanderWangY

EDUCATION

University Of Florida

Gainesville, FL

Bachelor of Arts in Computer Science - GPA: 4.0 — Dean's List

Expected Graduation: May 2026

- Involvement: Software Engineering Club, Open Source Club, Machine Intelligence Lab

PROJECTS

Proximity Chat App | *React Native, Typescript, ExpressJS, Socket.io, Firebase, Jest* September 2023 - Present

- Implemented a location-based messaging mobile application where users can only communicate to others within a set distance using Firebase Geo-hashing and Socket.io to seamlessly connect users.
- Collaborated and maintained consistent communication with **20+** local and international developers for seamless development, which allowed for continuous integration and deployment practices.
- Refactored outdated back-end, subsequently decreasing message retrieval time by **60%** allowing for better readability and improved user experience.

MechEnvision AI Website | *React, Vercel, ChatGPT-3.5, AWS, ExpressJS, Insomnia, Typescript* October 2023

- Engineered backend with ExpressJS and integrated ChatGPT-3.5 to generate key search words per the user's requests.
- Deployed backend Restful API by utilizing an Amazon EC2 instance and tested endpoints with Insomnia, which provided secure and bug free API calls.
- Developed a responsive and user-friendly frontend that successfully fetches and displays data from our backend server.
- Lead developer in a five-person team to design the application's architecture.

Spotify Playlist Recommender | *Python, Spotify API, Spotipy* July 2023 – September 2023

- Implemented APIs and industry-level database and information storage techniques to access user data securely by using Spotify's Web API to access user's playlists through a python application.
- Compiled playlist information to identify most popular genres on the playlist
- Analyzed genre types to recommend over **200 million** unique song combinations to users

EXPERIENCE

Lead Software Developer

November 2023 – Present

Open Source Club

Gainesville, FL

- Led the development of a new social media chat app using various technologies such as React Native, Socket.io, Firebase, and more.
- Regularly conducted code reviews and ensured they adhered to the recommended coding styles in order to better the readability and quality of the code-base.
- Wrote and maintained comprehensive documentation which served a valuable resource for both on-boarding and existing developers working on the project.

Verizon AI Hackathon

October 2023

University of Florida

Gainesville, FL

- Lead developer and project manager for a five-person team to design a web application for a panel of judges within 48 hours.
- Designed the architecture of the web application and implemented ChatGPT-3.5 to make an AI powered Mechanical Engineer project generator.
- Delegated roles and responsibilities to team members mentoring fellow teammates in various technologies to use like React, ExpressJS, Amazon AWS, Insomnia, etc.

TECHNICAL SKILLS

Languages: C++, Typescript, Python, JavaScript, Java, HTML/CSS, VB.NET

Frameworks/Libraries: React, React Native, Vitepress, ExpressJS, Socket.io, Jest

Developer Tools: RESTful APIs, Insomnia, Postman, Ubuntu, Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Github, Netlify, Vercel, FormSubmit, JSON, AWS EC2, Expo, Firebase

Certifications: C++ Institute CPA (Certified Associate Programmer)