Johnny Ouyang

ouou8386@gmail.com | New York, NY | (770) 861-8386|github.com/tomatooy

EDUCATION

New York University   New York, NY
Master of Engineering in Computer Engineering   May 2025
The University of Georgia   Athens, GA
Bachelor of Science in Computer Science   Dec 2022
- Cumulative GPA: 3.70/4.00

TECHNICAL SKILLS

Programming Language: Java, JavaScript, TypeScript, C++, PHP, python
Frameworks: ReactJS, NextJS, Node.js, Xampp, Spring, Spring Boot, Django
Tools/Technologies: MongoDB, MySQL, Redux, Git, Express, Heroku, Vercel, WebSocket, Ngnix, HTML, CSS
Relevant Coursework: Data Structure and Algorithm, Computer Network, Web Development, Computer Architecture.

PROFESSIONAL EXPERIENCE

Neteast Technology   Remote
Software Engineer Intern   June 2022 – Aug 2022
- Collaborated with a cross-functional team to design and develop an interactive 3D visualization web application for Building Information Modeling (BIM).
- Implemented **RESTful APIs and Socket.IO** to facilitate seamless data synchronization, enabling concurrent access and real-time collaboration among multiple users.
- Transformed wireframes and mockups into highly responsive, mobile-friendly web applications. Utilized **React, HTML, CSS, and TypeScript** to achieve optimal user experiences.
- Enhanced website performance by 30% through strategies such as Content Delivery Network (CDN), browser caching, and media optimization.

PROJECTS

Website: Student Association Website
Full Stack Website Project   June 2022 - Present
- Designed, built, tested, and deployed a full-stack web application for a student organization at UGA. Provided the organization with a digital platform to be introduced to **thousands** of students in the community.
- Developed a backend content management tool for the organization official to manage the content display on the website.
- Incorporated **HTML, CSS, ReactJS, and Bootstrap** into a dynamic and interactive front-end system, aimed to provide a seamless user experience with a smooth transition and intuitive UI design.
- Created RESTful APIs and a robust back-end server using **Node.js, and Express.js** for data management and user authentication.
- URL: https://ugacssa.vercel.app/

Meet: Social Media Website
Full Stack Website Project   Dec 2022
- Developed a full-stack social media platform project, allowing users to connect, share posts, and engage through comments, likes, and live-time messaging.
- Built a user-centric front-end interface by integrating **ReactJS, Redux, Redux-Persist, and Material-UI,** providing users with an intuitive user experience and secured centralized state management.
- Established a robust backend server using **RESTful Apis, Socket.io, Node.js Express.js**, and **MongoDB**.

Hackathons UGAhacks7: SkipNSit
Android Mobile App   Feb 2022
- An Android mobile application designed to fasten the check-in process for major events including features like indoor navigation and food ordering system.
- Spearheaded the project by overseeing UX, UI design and implementation, and database implementation.

CAMPUS & COMMUNITY INVOLVEMENT

Association of Computing Machinery at UGA   Athens, GA
Member   Jan 2022 – Dec 2022
- Coordinator and participant in major events such as UGAhacks7, Interview Prep, and CodeHub.

Google Developers Groups at UGA   Athens, GA
Member   Jan 2022 – Dec 2022
- Collaborated with other students in the design of the user interface and code implementation of the Food2Kid website project.