

Albert Yan

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Education

University of Southern California

Los Angeles, CA

Master of Science in Computer Science; GPA: 4.00

Dec 2022

Bachelor of Science in Computer Science; GPA: 3.98

Relevant Coursework

Advanced Analysis of Algorithms, Data Structures and Object Oriented Design, Professional C++, Database Systems

Experience

Course Producer

Los Angeles, CA

USC Viterbi School of Engineering

Aug 2021 - Present

- Explain key algorithm concepts and walk through homework problems with students during weekly office hours to help build intuition in algorithms and advance problem solving skills
- Manage homework grading platform for class of 200+ with instant response to reported issues to ensure a smooth experience for students and graders
- Introduce a spreadsheet to keep track of and provide a clear and instant representation of 200+ students' homework submission late day usage across 10 assignments

Freelance Web Developer

Remote

Contract with TGIF Toastmasters

Jun 2022 - Jul 2022

- Coordinated development of website to showcase Toastmasters Club of 30+ members for potential newcomers and streamline daily club operations for club officers
- Designed website using Figma to visualize design concepts for client and obtain instant feedback after communicating with clients to establish project goals and milestones
- Implemented website with Next.js, ReactJS, and Typescript to optimize page performance, with 98 score on PageSpeed Insights
- Applied key features with Google Sheets API, SendGrid API, and MaterialUI to fulfill client feature requests
- Maintained client satisfaction with weekly feedback meetings and demonstrated flexibility in website design and code to resolve client concerns

Software Intern

Los Angeles, CA

Encore Music Technologies

Jan 2022 - May 2022

- Developed responsive single-page application with ReactJS and Typescript to showcase key company resources (NDA)
- Implemented and refined 10+ reusable front-end components with MaterialUI used throughout website
- Engineered backend of project with Axios and React hooks to connect components to company's public API
- Established payment gateway with Stripe API and Express.js to process in-app purchases
- Engaged in weekly code reviews and got feedback from senior developers

Projects

Groupie

Course Project for Software Engineering Course

- Built a client-server web application in collaboration with 4 other students based on a list of required features. Received second highest score (248/250) out of 30+ teams
- Coordinated weekly scrums while following an agile based software development process and met with a stakeholder bi-weekly to discuss progress and get feedback on current product
- Spearheaded backend development with Java servlets and followed test-driven development while adhering to industry standard Gitflow and unit testing with Junit and Mockito

Activities

Toastmasters

Jun 2017 - Present

- Achieved Competent Communicator, a title only 10 percent of Toastmasters obtain, within six months
- Awarded in impromptu speaking and prepared speech at the National stage in Taiwan
- Led weekly meeting and hosted club contests while serving as club president and vice president at USC's Toastmaster club

Skills

Technologies: Java, C++, JavaScript/TypeScript, Python, HTML/CSS, React.js, Next.js