

Albert Yan

albertzzyan.com
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Education

University of Southern California

Master of Science in Computer Science; GPA: 4.00
Bachelor of Science in Computer Science; GPA: 3.98 (Summa Cum Laude)

Los Angeles, CA
Dec 2022

Experience

Military Service

Military Police Command

Taipei, Taiwan
Aug 2023 - Nov 2023

- Completed four months of mandatory military service obligations in accordance with Taiwanese regulations

Software Developer

iLinke

Taipei, Taiwan
Jun 2023 - Jul 2023

- Led migration of a legacy Angular.js application to Next.js, incorporating server-side rendering to improve SEO performance and shortening time-to-content by 30%
- Refactored existing codebase, introducing modular components and reducing lines of code by up to 75%
- Integrated Redux for efficient state management and utilized React Hooks to enhance functional components, promoting code reusability and streamlining development processes

Engineering Intern

SISU VR

Los Angeles, CA
Aug 2022 - Dec 2022

- Formulated custom C# scripts to convert 3D modules to WebGL in Unity, reducing build size and compile time by 90%
- Led website redesign using Django, ensuring alignment with Figma designs and enhancing user interface functionality
- Collaborated with the CTO to establish project milestones over four months and provided technical feedback

Freelance Web Developer

Contract with TGIF Toastmasters

Remote
Jun 2022 - Jul 2022

- Initiated and coordinated development of website to showcase Toastmasters Club of 30+ members for potential newcomers and streamline daily club operations for club officers
- Prototyped website using Figma to visualize design concepts for clients and receive real-time feedback for rapid design iteration
- 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 for forms, SendGrid API for emails, and MaterialUI for functional components
- Maintained high client satisfaction by conducting weekly feedback meetings and demonstrating flexibility in website design and code to address client concerns while establishing project goals and milestones

Software Intern

Encore Music Technologies

Los Angeles, CA
Jan 2022 - May 2022

- Developed responsive single-page application with ReactJS and Typescript to showcase music artists and their live shows
- 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 for virtual credits

Projects

Picsoml

Photo Sharing App

- Initiated development of a cross-platform Flutter app for seamless photo and video sharing among friends
- Devised and programmed backend logic leveraging AWS Lambda, S3, and API Gateway to facilitate core functionalities
- Conceptualized and designed intuitive user interfaces for login, file upload/download, and user management, ensuring consistency and usability across iOS, Android, and Web platforms

Certifications

AWS Certified Developer - Associate (Oct 2023)

Skills

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