Eric Chu

Software Engineer

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Technical Skills and Tools

Strong: React, TypeScript, JavaScript, Node.js, Express.js, TailwindCSS, HTML5, CSS3
Experience: REST API, Vite, PostgreSQL, SQL, Agile, Jest, Next.js 13+
Tools: Git, Github, VS Code, Slack, npm, Unity, ffmpeg, AWS Beanstalk, Docker

Experience

Freelance Web Developer | *Randy Mark Auctioneer* *February 2024 - Present*

- Developed a **content management system** using **Github's Rest** API to allow the client to edit the listings for their auction
- Coordinated with a web designer to build a responsive and SEO-friendly website with **Tailwind** and **Next.js 14**

Teaching Assistant | *Learning Fuze* *December 2023 - Present*

- Assisted students by providing technical support and troubleshooting programming errors.
- Collaborated with lead instructors on curriculum issues and how to better the performance of each student

Applications Developed

Artus | *Full stack Video Hosting web application.* | Github - Live

- Implemented video compression using **ffmpeg** for efficient multimedia processing.
- Applied **TailwindCSS** to refine and enhance styling for a visually engaging user interface in **React** and **React Router**
- Designed a **RESTful API** using **Node.js, Express.js,** and **PostgreSQL** to facilitate seamless communication between client and server components.

Castle | *Chess.com API-driven player search engine.* | Github - Live

- Leveraged asynchronous data collection from a public **REST API** to acquire accurate and updated information on players from Chess.com.
- Incorporated both **server components** and **client components** from **Next.js 14** to organize data fetching from client reactivity

Education

Bachelors of Science in Computer Science | *California State University of Fullerton, California*

- Dean's List - Fall 2018, Spring 2019, Spring 2020, Spring 2022

Accelerated Web Development Program | *Learning Fuze*

- Dedicated over 800 total hours of programming (10-12 hours/day) in a simulated work environment over a 14 week program.
- Collaborated with other developers in three separate hackathons to create minimum

viable products of various applications