

ERIC CHU

Software Engineer

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TECHNICAL SKILLS AND TOOLS

- **Skills:** TypeScript, JavaScript, HTML5, CSS3
- **Tools:** React, Next.js 14, Git, Github, Vite, PostgreSQL, Node.js, Express.js, Tailwind, ffmpeg, AWS Beanstalk, Docker

EXPERIENCE

Freelance Web Developer | *Randy Mark Auctioneer* Feb 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* Dec 2023 — Present

- Instructed students to uncover application solutions focusing on **HTML, CSS, JavaScript, TypeScript, React.js, PostgreSQL**
- Troubleshooted coding errors with students and problem solved solutions using research, documentation, and code reviews
- Collaborated with 4 Senior Engineering instructors on any 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 **Tailwind** 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 async data fetching from a public **REST API** to acquire player stats from Chess.com
- Incorporated both **server** and **client** components from **Next.js 14** to organize data fetching and client reactivity

EDUCATION

Accelerated Web Development Program | *Learning Fuze* Aug 2023 — Dec 2023

- 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

B.S in Computer Science | *California State University, Fullerton* Aug 2018 — Aug 2022

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