Eden Chou

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Software Engineer | Front-end/Full Stack

Passionate Software Engineer with a zest for full stack development and particularly knowledgeable in front-end technologies. Known for solving complex problems and a strong drive to learn and refine skills. Excels in agile environments, delivering high-quality code and innovative, user-friendly solutions.

Qualifications

Javascript | Typescript | Python | React | Next.js | Node.js | Java | HTML/CSS | SASS | R | VS Code
Figma | AI Prompt Engineering | New Relic | BigQuery | Segment | AWS | Automation | Git/Github | JIRA | Browserstack
Percy Visual Regression | Cypress | Tailwind | REST APIs | Agile | Microsoft Excel | Responsive Development
Bachelor of Science (BS), Computer Science, Statistics & Chinese Minors – UNC Chapel Hill
Agile Project Management and Delivery – Udemy

Experience

Red Ventures | Software Engineer
August 2022 – Present

- Operated as a technical lead, architecting and maintaining a web app hosted on **AWS** using **React**, **Next.js**, and **TypeScript** for Walmart+, ensuring site stability while **serving over 2 million monthly users**
- Utilized **Cypress** to create **automated tests**, **reducing JIRA cycle time by 15%**
- Developed a department-wide **visual regression testing** tool with **Percy by BrowserStack**, integrating **GitHub Actions** to automatically scan live sites for visual bugs, **decreasing manual QA time by 15%** and ensuring a consistent user experience
- Leveraged **New Relic** to monitor **Core Web Vitals**, setting up dashboards for site performance and implementing alerts to **ensure site health and data operations**
- Developed a web app leveraging **OpenAI's API** to provide **optimization insights** to business analysts based on existing site data, **enhancing user engagement strategies**
- **Mentored** and **managed** a summer engineering **intern**, curating a personal project plan to foster professional and technical growth. Successfully guided the intern to receive **a full time return offer**.

Juni Learning | Computer Science Instructor
August 2021 – July 2022

- Executed a comprehensive range of computer science lesson plans, from **Scratch basics** to advanced **Python**, **Javascript**, **Java**, **HTML/CSS**, adapting to individual student needs and interests
- Maintained detailed records for each student, **tracking their development** across multiple courses and skill levels to ensure consistent growth and achievement
- Successfully mentored and taught **over 20 students**, enhancing their coding skills and inspiring a deeper passion for computer science

Red Ventures | Software Engineer Intern
June 2021 – August 2021

- Collaborated with a **team of 9** to maintain and enhance partner websites using **HTML/CSS**, **Tailwind** and **JavaScript**, ensuring optimal performance and user experience.
- Improved code maintainability and readability by resolving **over 200 linting errors** and integrating an **automated linting test** into the build pipeline, ensuring compliance with **ESLint** conventions
- Led the complete redesign of our partner's homepage using **Invision**, **HTML/CSS**, and **Tailwind**, delivering a seamless, **responsive design**

MetLife | Database Administration Intern
June 2020 – August 2020

- Collaborated on a **team of 3** to develop **responsive dashboards** in **Splunk**, utilizing **SPL** to extract transform data from log and CSV files into intuitive and actionable visualizations for users
- Transformed and optimized **monitoring scripts** from **shell** to **Python**, significantly improving efficiency and **automation**
- **Facilitated and managed the project plan** for a **team of 6**, leading the development of a web-based MVP for MetLife's new pet insurance product