

# Hongzhi Zhao (Ethan)

Junior Software Engineer

Tel: (201) 699-8556

Email: hongzhizhao98@gmail.com

LinkedIn: [www.linkedin.com/in/ethan-zhao-631987211](https://www.linkedin.com/in/ethan-zhao-631987211)

Portfolio website: [hongzhi-zhao.vercel.app](https://hongzhi-zhao.vercel.app)

## Skills

---

**Language:** JavaScript, TypeScript, HTML, CSS, Java, Python, SQL

**Framework & Libraries:** Next.js, React.js, Node.js, Material UI, Tailwind CSS

**Tools & Practices:** MongoDB, RESTful API, Jest, JUnit, Git, Linux, Docker, AWS, Agile/Scrum

## Experience

---

### SamaritanScout.org

Remote, United States

Front-End Software Developer Intern

Jul 2023 - Present

- Collaborated in **Agile/Scrum** environment using **Jira**, **Confluence** and **Git** for streamlined project management.
- Crafted essential components such as navigation bar, footer using **Material UI** and **React.js**.
- Built contact form sending email via EmailJS and integrated donation functionality through PayPal and Venmo APIs.
- Teamed up with UI/UX designer to establish consistent theming for a unified website appearance.

### Beichende Technology Co., Ltd.

Shenzhen, China

Full-Stack Web Developer Intern

Jan 2021 - Apr 2021

- Developed a client information management system using **Element UI**, **Vue.js**, **Spring Boot** and **Oracle database**.
- Achieved a front-end interface capable of seamlessly handling thousands of data records, allowing users to filter, create, remove, update, and read records with ease and efficiency.
- Corresponded with bank counterparts to refine a robust testing framework incorporating **JUnit**, **Postman**, and **Git**, facilitating the execution of over 100 test cases to ensure integration and the functionality of the system.

## Projects

---

### Online art gallery app similar to Pinterest

- Conceptualized and developed a full-stack photo-posting application similar to Pinterest, leveraging **Bootstrap**, **React.js**, **Node.js**, **Express.js** and **MongoDB**.
- Enriched the app with more than 10 UI components and features including masonry-style layout, creatable multi-select input, search filters, hover effects, loading indicator, skeleton UI, infinite scrolling, and file drag and drop.
- Deployed the application on an **AWS EC2** server instance using **Nginx** at: [www.oberon.lol](http://www.oberon.lol).

### Party quiz app similar to Kahoot

- Realized the front-end of an online quiz application that integrates **Material UI** and **React.js**. Applied **ESLint** and **React Testing Library** to make the application more robust, easier to maintain and easier to read.
- Introduced users with means of creating, editing, and deleting customized quizzes, the streamlined URL-based game room functionality empowers users to invite others to join in.
- Engineered head-to-head competitions, real-time score tracking, and a personalized leaderboard.
- Leveraged advanced React Hook APIs to accelerate the response speed by approximately 25%.

### Modern portfolio website with landing page and blogs

- Fashioned a cutting-edge portfolio website with **TypeScript**, **Next.js**, **Tailwind CSS**, and **Framer Motion**.
- Crafted a blog feature using **MDX** and **Contentlayer**, enabling the website to generate blog content through Markdown grammar. Innovated night mode feature and fluid animations and modern effects to enhance the user experience.
- Deployed the project on **Vercel** at [hongzhi-zhao.vercel.app](https://hongzhi-zhao.vercel.app).

## Education

---

### Stevens Institute of Technology

MSc in Computer Science

GPA: 3.87 / 4.00

Hoboken, New Jersey, United States

Sept 2021 - May 2023

### North China Electric Power University

BSc in Computer Science

Beijing, China

Sept 2017 - May 2021