

Junheng Zheng

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EDUCATION

Rochester Institute of technology | 3.7 GPA
Bachelor of Science (BS) in Web and Mobile Computing

Rochester, NY
Aug. 2022 – Dec. 2026

EXPERIENCE

Software Engineer - Design Systems (Internship)

May. 2025 – Aug. 2025

Liberty Mutual Insurance

Portsmouth, NH

- Collaborated with lead product designers and UX developers to build and scale an internal design system using React, TypeScript, and Storybook, increasing the library by 30%.
- Conducted QA checks between Figma components and developed coded components, increasing visual and functional consistency across platforms by 60%.
- Contributed to a side-project involving early research on AI and Model Context Protocols (MCPs) and their UX implications; led and presented findings to 20+ product and frontend developers on the design systems team.

Software Engineer - Frontend (Co-op)

Aug. 2024 – Dec. 2024

D&D Motor Systems

Syracuse, NY

- Successful client-side redesign that increased engaged sessions by 23%, engaged views by 17%, and improved SEO by 70% (measured with Google Analytics).
- Comprehensive redesign with Figma, remade client side with HTML, CSS, JavaScript, and PHP.
- Utilized surveys, analytics, and heatmaps over 3+ design iterations to produce an in-depth case study that resulted in a successful website redesign.
- Optimized and refactored over 7000 lines of outdated legacy code improving backend Point of Sale (POS) systems.

Software Engineer (Fellowship)

Jul. 2024 – Aug. 2024

Headstarter AI

Remote

- Built 5+ AI applications and APIs using Next.js, OpenAI, Pinecone, and StripeAI, achieving 98% accuracy, as demonstrated by 1,000 users.
- Developed projects from design to deployment leading 4+ engineering fellows using MVC design patterns.
- Coached by Amazon, Bloomberg and Capital One engineers on Agile, Git and microservice patterns.

PROJECTS

American Dream Election System | *React, JavaScript, Tailwind CSS, Figma, PostgreSQL, Node.js, Express*

- Developed a full-stack election system using React for the frontend and Node.js/Express for the backend.
- Used PostgreSQL for data storage, ensuring efficient and secure data handling.
- Designed the UI in Figma, implementing the frontend with Tailwind CSS for responsive and modern design.
- Implemented real-time election results with WebSockets, ensuring smooth user interaction.

MyInterface | *React, Next.js, Tailwind CSS, Figma, Groq, Clerk, Firebase*

- Developed a website optimization tool using React, Next.js, and Tailwind CSS to enhance UI/UX, SEO, and streamline website creation for non-designers.
- Designed wireframes in Figma and translated them into fully functional React components, building the frontend for the website optimization tool with responsive, interactive UI elements.
- Implemented user authentication with Clerk, real-time data interaction with Firebase, and AI functionality using Groq.

TECHNICAL SKILLS

Languages: Python, Java, HTML, CSS, JavaScript, TypeScript, PHP, SQL

Technologies & Tools: ReactJS, NextJS, Flutter, Tailwind CSS, Vite, MongoDB, MySQL, Neo4j, Storybook

Software: VS Code, Figma, FileZilla, Inventor 360, Adobe Photoshop, Adobe Illustrator, GitHub

Skills: Frontend Development, UI/UX Design