

# Changyi (Isaiah) Zhou

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[LinkedIn](#)/[GitHub](#)

## EDUCATION

Cornell Tech, Cornell University

New York, NY

MS in Applied Info Science & Info Systems – Connective Media

Aug 2025 - May 2027

Relevant Coursework: HCI, Applied Machine Learning, Trustworthy AI, VR/AR

University of Wisconsin - Madison

Madison, WI

BS in Computer Science, Psychology, Game Design Certificate GPA: 3.87/4

Aug 2021 - May 2025

Relevant Coursework: Computer Graphics, OS, Database Management Systems

## TECHNICAL SKILLS

**Programming Language:** JavaScript, TypeScript, Python, HTML, CSS, Java, SQL, C#

**Operating Systems:** MacOS, UNIX/Linux

**Frameworks & Libraries:** React, Node.js, Next.js, JUnit, PyTorch, Spring Boot, Spark, Zustand, React Native

**Developer Tools:** VS Code, Git, Cursor, Docker, Linux, MySQL, GCP, Figma, Unity

## PROFESSIONAL EXPERIENCE

Alibaba Group Tmall Campus, Software Engineer Intern, Hangzhou, China

Jul 2025 – Aug 2025

- Developed and maintained webpages for large-scale online lottery events using TypeScript, React, and RESTful APIs, reducing manual setup costs and driving a **10%** increase in user participation; built reusable components later integrated into the company's low-code development platform.
- Redesigned and implemented the official website UI with a **mobile-first approach**, creating interactive animations with GSAP and Framer Motion, while ensuring smooth performance and responsive layouts across devices using Tailwind CSS.
- Implemented an agent-based tool-calling architecture with PocketFlow, enabling an AI-powered chatbot to dynamically invoke external functions and APIs for contextual reasoning.

Stanford Social Interaction Lab, Research Intern, Remote

May 2024 – May 2025

- Conducted interdisciplinary research under Professor Robert Hawkins on the hidden structure of casual conversations, utilizing NLP, ML, web experiment development, and visualization techniques.
- Designed and deployed a full-stack web annotation interface with React and Node.js to conduct large-scale data collection involving over **4,000 participants**.
- Built scalable data pipelines in Python and R for transcript preprocessing, semantic analysis using SBERT, K-means clustering, and t-SNE visualization.
- Created complex multi-panel visualizations and interactive dashboards illustrating conversation trajectories, topic similarity patterns, and statistical distributions using React and recharts.

Shuhuan Technology, Frontend Developer Intern, Hangzhou, China

Jul 2023 – Aug 2023

- Developed a Help Center platform centralizing **400+** company software product documents, improving the efficiency of internal documentation updates.
- Implemented user-facing navigation and admin tools, including Markdown parsing, image viewing, and code editing.
- Developed UI components using Vue.js for an AI-powered Assistant that processes business-related questions and automates task flows.

## PROJECTS

Album Collage Maker (React, Node.js, ML)

Fall 2024

*A web app for creating collages from album covers.*

- Developed a web application that generates artistic collages from Spotify album covers, leveraging AI-driven layout algorithms and metadata-aware prompt engineering with Stable Diffusion to create unique visual compositions.
- Built a Canvas-based editing and effects engine combining real-time drag-and-drop, resizing, and styling with custom visual filters and blend modes for dynamic, interactive collage creation.
- Integrated the Spotify Web API for seamless album discovery and authentication, supporting random album generation, search, and access to user preferences.

Media Rating Storage System (Java, Spring Boot, Vue.js, MySQL)

Fall 2023

*A full-stack application for tracking and rating media consumption.*

- Implemented a responsive frontend using Vue.js and ElementUI, with Axios for API communication.
- Built a Spring Boot backend integrated with MySQL and MyBatis-Plus to handle user authentication, media data management, and CRUD operations.