

# Wenhao Yang

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## Education

Temple University, Philadelphia, PA  
Bachelor of Science in Computer Science

Graduation: Spring 2026

Courses: Computer Systems, Operating systems, Data Structures & Algorithms, UX design, Software Development, Web Design, Cloud Computing, Machine Learning, Artificial General Intelligence

## Professional Skills

Languages: Python, Java, C, SQL, TypeScript, JavaScript

Frontend: React, Next.js, Vue, HTML5, CSS3, Tailwind CSS

Backend & Cloud: Django, REST APIs, WebSockets, AWS, Serverless Functions

Tools & Platforms: Git, GitHub, VS Code, Figma, Jira, Docusaurus, Microsoft Office, A.I. tools

## Work Experience

Technology & Operations Manager | China Wok

Jul 2024 - Present

Philadelphia, PA

- **Software Development:** Developed a custom tablet-based POS system in Kotlin to manage restaurant orders and automate receipt printing workflows
- **System Integration & Maintenance:** Integrated and managed third-party delivery platforms (DoorDash, Grubhub, Uber Eats), ensuring reliable order synchronization and minimal downtime.
- **Technical Infrastructure Support:** Installed and maintained network infrastructure including security cameras and POS hardware, providing ongoing technical troubleshooting

## Project

Sketch2Screen – AI-Powered Collaborative Web Application | [Website](#) | [Documentation](#)

### Project Description:

Built an AI-powered collaborative web application that converts hand-drawn sketches into editable website layouts using LLM agents. The platform enables users to collaboratively sketch UI elements, generate complete webpage layouts, and interactively modify individual components to customize design, structure, and styling in real time.

### Key Contributions:

- Implemented real-time collaboration features by connecting the React frontend to a Django backend using WebSockets
- Integrated Excalidraw and canvas-based drawing tools to support collaborative sketching and UI design
- Built and refined core UI/UX features, including page switching, layout flow, and quality-of-life improvements
- Collaborated closely with backend services for API integration and state synchronization
- Improved usability and responsiveness through iterative UI updates and performance optimizations
- **Technologies Used:** TypeScript, React, CSS, Tailwind CSS, Excalidraw API, Claude API, Python, Django, WebSockets, Git/GitHub, Vite, Render, Docusaurus

Sophisticate – AI-Powered Text Tone Rewriting Tool | [Website](#) | [GitHub](#)

### Project Description:

Built and deployed a full-stack web application, on AWS, that rewrites user-submitted text across five sophistication levels, from casual to professional, using an agent. The tool features a refined, typographic UI with real-time feedback collection saved to cloud storage for ongoing quality monitoring.

- Designed and implemented the full UI in Next.js with TypeScript, including a custom range slider, shimmer loading states, and a character-limited text area with live progress tracking
- Integrated the Anthropic Claude API via a serverless Next.js route to perform tone-aware text rewriting at five distinct sophistication levels
- Built a star-rating feedback system that appends structured JSONL records to AWS S3 for quality data analysis
- Deployed the application on AWS Amplify with secure server-side environment variable handling
- **Technologies Used:** TypeScript, React, Next.js, CSS, Claude API, AWS S3, AWS Amplify, Git/GitHub