# Kevin Y. Zhang

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## Education

**University of Illinois Urbana-Champaign | Champaign, IL** *Expected Graduation May 2026*
*Bachelor of Science in Computer Science, Chancellor's Scholar*
Relevant coursework: Data Structures and Algorithms, Computer Architecture, System Programming, Intro to Algorithms and Models of Computation, Database Systems, Probability and Statistics, Intro to Combinatorics

## Skills

**Programming Languages:** Java, Python, C++, C#, C, JavaScript, TypeScript, MIPS Assembly, SQL
**Technologies:** React, Next.js, MongoDB, Git, Firebase, VS, VS Code, Electron.js, Prisma, ASP.NET Core, Jenkins, Oracle Database, Docker, NumPy, pandas

## Experience

**Clarity Partners LLC | Chicago, IL** *June 2024 – August 2024*
*Software Development Intern*
*Developed and deployed full-stack web applications and services for diverse clients*
- Completely redesigned and optimized a client's user search application using ASP.NET Core MVC, achieving an increase in search efficiency through improved SQL query design, stored procedures, and data filtering techniques
- Built a React.js web application enabling users to create and send mass emails using customizable templates, with a user-friendly interface for inexperienced users; Leveraged SQL Management Studio to manage templates and track the delivery status and audit information of sent emails

**Geni | Urbana, IL** *October 2023 – May 2024*
*Full-Stack Software Engineer*
*Developed adaptive, generative AI exercises for elementary school students to improve writing skill levels*
- Created the UI/UX design for the Teacher and Student interfaces using Figma based on teacher input and suggestions
- Designed the front-end for the Teacher and Student designs, that allow for intuitive management of classrooms, assignments, and grades, implemented with TypeScript, React.js, HTML, and Tailwind CSS
- Developed backend features including Google Classroom integration and a gamified skill proficiency tracking system, leveraging Prisma ORM with MongoDB and custom RESTful APIs

## Activities & Projects

**Agri | Urbana, IL** *April 2025*
*CS 411 Database Systems Final Project*
*Allows users to track the environmental cost of their grocery products*
- Developed a full-stack web application with Next.js, React, TypeScript, Tailwind CSS, using a MySQL database and featuring server-side rendering, reusable components, and secure authentication with JOSE
- Implemented Leaflet-based, interactive map features and secure authentication and session management with JOSE
- Built RESTful API endpoints for authentication, user profiles, grocery list management, and location-based services, utilizing Next.js API routes for backend logic

**GTO Illini | Urbana, IL** *September 2024 – Present*
*Vice President, Development Lead, Social Media Manager*
*Registered Student Organization focused on the mathematics, probability, and game theory behind Texas Hold'em Poker*
- Managing social activities, game theory lectures, and social media outreach for the organization
- Led development of the organization's main website, using Next.js and Tailwind CSS
- Developing a poker playing platform for RSO's internal use

**HackIllinois 2024 | Urbana, IL** *February 2024*
*SillySORT*
- Built a desktop app for the hackathon to automatically sort user files and directories using Electron.js for the interface and Google's Gemini API to manipulate directories using terminal commands

**CoderDojo | Hinsdale, IL** *June 2022 – May 2023*
*Volunteer / Co-Founder*
- Established the Hinsdale chapter of CoderDojo, where I taught students between the ages of 7 and 13 coding, including Scratch, Java, and Python