

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