

Kevin Zhang

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EDUCATION

Georgia Institute of Technology

Bachelor of Science, Computer Science

Expected Graduation: May 2027

Threads: Media and People

EXPERIENCE

Software Engineer Intern

June 2024 – Present

Frontend Simplified

Remote

- Transformed a static web application with **React** and **JavaScript** into an interactive user interface using animations, transitions, and carousels
- Processed **API** requests with **Axios** to dynamically represent data from a **cloud server** and represented it through skeleton loading states, pagination, and dynamic routing.
- Utilized **Git** version control and the GitHub interface, empowering our virtual team to collaborate seamlessly, reducing code conflicts by 50%, and facilitating faster feature delivery by 15%

PROJECTS

Duolingo Clone | **50 Hours** | [GitHub](#) | *Next.js, React.js, Drizzle, Stripe, Shadcn/UI, PostgreSQL, Tailwind CSS*

- Developed a full stack Duolingo clone using **React.js**, **Next.js 14**, **Drizzle ORM**, **PostgreSQL**, and **Tailwind CSS**, deploying on **Vercel** with mobile **responsiveness**.
- Integrated **AI Voices** using Elevenlabs AI, sound effect, **authentication** via Clerk, and a **points/XP** system including hearts and a "No hearts left" **modal** popup.
- Implemented features such as **practice lessons** to regain hearts, a **leaderboard**, **quests** milestones, and a **shop** system for points exchange.
- Successfully integrated a **Pro subscription** for unlimited hearts using **Stripe**, designed a landing page, and built an admin dashboard with **React Admin**.

Spotify Clone | **40 Hours** | [GitHub](#) | *React + Vite, Tailwind CSS, JavaScript*

- Developed and implemented a functional Spotify clone using **React + Vite**, **Tailwind CSS**, and **JavaScript**, providing users with a seamless music listening experience
- Fully **responsive** website for Mobile phones and Tablets
- Successfully integrated **Stripe** payment gateway, allowing for functional **subscription tiers**

Movie Explorer | **32 Hours** | [GitHub](#) | *React, JavaScript, Tailwind CSS*

- Developed a movies library app using **React** to transform a movie database into a fully functional web application
- Implemented **OMDb API** for data such as movie titles, release dates, cast and crew information, ratings, plot summaries, posters, and more, aiding in project code generation
- Processed API requests with **Axios** to dynamically represent data from a cloud server and represented it through **skeleton loading states** and **dynamic routing**

Library E-Commerce | **30 Hours** | [GitHub](#) | *React, JavaScript*

- Developed an e-commerce site for book sales using **React** and **JavaScript**
- Built seamless shopping cart for easy book selection and management with **useEffect** and **useState** hooks
- Enhanced user engagement with dynamic features like suggested books and reviews

Interactive Simulation of Conway's Game of Life | **14 Hours** | [GitHub](#) | *Java*

- Developed an advanced implementation of Conway's Game of Life, a cellular automaton utilizing **Java**.
- Utilized **2D arrays** and the **Union-Find data structure** to manage the grid and determine connected components, ensuring optimal performance for updates.
- Implemented algorithms to simulate the game's rules, including cell state transitions, neighbor counting, and grid updates.

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, HTML, CSS

Frameworks / Libraries: React, Node.js, Drizzle, Stripe API, Shadcn/UI, PostgreSQL, Tailwind CSS, Firebase

Certifications: Codecademy - Build Basic Android Apps with Java Skill Path, Learn Java Course

Interests: Web Development/Design, Video Editing, Volleyball, Piano, Saxophone, Volunteering