

Zi Jun Wang

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EDUCATION

University of Illinois Urbana-Champaign

Bachelor of Science in Mathematics & Computer Science; GPA: 4.0

Champaign, IL

Expected: May 2027

TECHNICAL SKILLS

Languages: JavaScript, HTML/CSS, C++, TypeScript, Python

Frameworks & Libraries: Next.js, Astro, ReactJS, Node.js, TailwindCSS, Framer Motion, Auth.js

Developer Tools: Git, Pocketbase, VS Code, Figma, Photoshop, Github, Vercel, Firebase, Docker

EXPERIENCE

Undergraduate Research Assistant

University of Illinois Urbana-Champaign

August 2024 – Present

Champaign, IL

- Developed prototype syllabus analysis tool using Gemini API, enhancing content accessibility for diverse learners.
- Analyzed **20+** research papers on educational accessibility, synthesizing findings for innovative solutions.
- Pioneered AI-driven solutions to improve educational inclusivity for students with disabilities.
- Created a Python-based web scraper utilizing Google Sheets API to collect/analyze data from **800+** faculty profiles, enhancing research dataset comprehensiveness.

Software Engineer Intern

MarketMinks LLC

August 2024 – Present

Remote

- Architected responsive websites using NextJS & Tailwind, boosting user engagement and client online presence.
- Applied advanced SEO practices, resulting in a **50%** increase in organic traffic and a **40%** improvement in search engine visibility.
- Spearheaded a cross-functional team of four students to optimize website features, implementing responsive design and performance enhancements, achieved a **25%** reduction in bounce rates and enhancing user experience.
- Customized and deployed WordPress websites, tailoring themes/plugins to meet client business objectives.

PROJECTS

NextGen Converter | TypeScript, Auth.js, Firebase, FFmpeg, GeminiAPI

August 2024 – September 2024

- Executed client-side conversion using FFmpeg compiled to WebAssembly, reducing server-side load by **40%**.
- Integrated Google's Gemini API to create a code converter for translating code files between languages.
- Utilized Auth.js for Google authentication and Firebase for real-time user data storage, enabling file size tracking and a competitive leaderboard.

UIC Blackboard Extension | JavaScript, HTML, CSS, Astro, ReactJS

January 2024 – May 2024

- Designed a JavaScript extension to improve Blackboard functionality, increasing student engagement by **30%** through enhanced search features.
- Crafted high-performance search feature using JavaScript and ReactJS, reducing course discovery time by **75%**.
- Implemented JavaScript-based grade forecasting tool, enabling **95%** accurate academic goal tracking.

FlameGrades | Next.js, ReactJS, TailwindCSS, Python

November 2023 – March 2024

- Built a responsive web application with Next.js and TailwindCSS, increasing mobile user engagement by **35%**.
- Automated a complex grade distribution system using Python, ensuring **99.9%** data accuracy.
- Constructed a ReactJS-powered search feature, reducing average search time from **45 to 5** seconds.
- Integrated a sophisticated GPA calculation system to facilitate data-driven academic decision-making.

ACTIVITIES

Organizer

SparkHacks @ UIC

November 2023 – February 2024

Chicago, IL

- Orchestrated hackathon attracting **400+** participants and **9** sponsors, securing **\$35,000** in sponsorships.
- Formulated event web platform using Astro and ReactJS, increasing participant registrations by **100%**.
- Enhanced the website's visual appeal with Framer Motion animations, improving design efficiency by **60%**, creating an immersive online presence that increased user engagement.