Kevin Zhang

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EDUCATION

Georgia Institute of Technology — Expected Graduation: May 2027
Bachelor of Science in Computer Science, GPA: 3.15 — *Threads: Intelligence and Media*

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Java, Python, C/C++, Swift, HTML/CSS
Frameworks/Libraries: React.js, React Native, Next.js, Vue, Django, Tailwind CSS, NoSQL, SQL, MongoDB, RestAPI, Firebase, Stripe, NumPy, Matplotlib, OpenCV, ROS
Tools & Other Platforms: Git, GitHub, Vercel, Figma, Docker, WordPress, AWS, Agile, Scrum, SDLC, CI/CD

EXPERIENCE

Infosys — May 2025 – July 2025
Software Engineer Intern — *Bangalore, India*
- Developed a real-time human trajectory predictor using YOLOv8 in Python and 3D angle and velocity projection, achieving 99.5% detection accuracy in crowded environments
- Designed and deployed a scalable, distributed path-planning service integrating dynamic cost maps and predictive human trajectories using Dijkstra's and A*, achieving 88.9% improved navigation success in 100+ simulation trials
- Engineered a C++ simulation framework with dynamic actors across 100+ trials, demonstrating system reliability and scalability for deployment in Infosys' autonomous shuttles and logistics robots used by $10B+ enterprises

Skinstric AI — February 2025 – July 2025
Frontend Software Engineer — *Remote*
- Utilized OpenAI's Vision API and Next.js 14 for real-time image analysis, applying computer vision principles to identify user demographics, achieving 98% detection accuracy
- Developed responsive UI with TailwindCSS and GSAP animations, implementing dynamic skincare recommendation cards with 60% improved engagement
- Built custom animation system using GSAP timeline for seamless user experience during skin analysis processing, increasing user retention by 40%

Frontend Simplified — June 2024 – August 2024
Software Engineer Intern — *Remote*
- Transformed a static React.js site into a scalable, component-based architecture with dynamic routing, reducing load time by 25% and increasing engagement by 40%
- Integrated REST APIs via Axios with pagination, skeleton loading, and caching, ensuring fault-tolerant data delivery and improved UX consistency
- Implemented CI/CD workflows and Git-based collaboration, cutting merge conflicts by 50% and accelerating feature delivery by 15% through code-review automation

PROJECTS

GT Marketplace | GitHub | *React.js, TailwindCSS, Firebase, Stripe, MongoDB* — September 2024 - Present
- Led development of a scalable full-stack marketplace for Georgia Tech students, with real-time listings and secure authentication for 75+ users, applying CI/CD principles for reliable deployment
- Developed responsive product listing pages, product detail views, user profile, and user registration and login

Accessify | EmoryHacks 2025 - 1st Place Winner | Devpost — March 2025
- Worked with a team of 4 to build an award-winning google web extension with AI content simplification, real-time translation in 100+ languages and robust accessibility features
- Implemented accessibility-first features such as text-to-speech, color-blindness filters, and Dyslexia support
- Delivered 6+ core accessibility features within a 36-hour hackathon, and conducted hands-on user testing with multiple participants to validate usability improvements

LEADERSHIP

Society of Asian Scientists and Engineers (SASE) — May 2025 – Present
Executive Board (Events Director) — *Georgia Tech*
- Demonstrated ownership by managing end-to-end logistics for 4+ large-scale campus events serving 50+ attendees
- Created shared planning calendar and kickoff structure, improving coordination across 7+ officers