





KEVIN ZHANG

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Education

Georgia Institute of Technology

Bachelor of Science in Computer Science

Graduation Date: May 2027

Threads: Intelligence and Media

Technical Skills

Languages: Java, JavaScript, C, Python, C++, TypeScript, Django

Frameworks/Libraries: React.js, Next.js, Tailwind CSS, Firebase, Stripe, MongoDB, GSAP, YOLOv8 (Ultralytics), TF2, PCL, OpenAI/Vision/Gemini/Google Cloud Translation/Google Extension API

Tools & Other Platforms: GitHub, Vercel, Figma, Linux, ROS, RViz, Gazebo, Gazebo Plugins

Experience

Infosys

May 2025 – July 2025

Software Engineer Intern

Bangalore, India

- Developed a real-time **human trajectory predictor** using **YOLOv8** and 3D angle and velocity projection, achieving **99.5% detection accuracy** in crowded environments
- Implemented a **time-aware path planning algorithm** based on **Dijkstra's** method, integrating predicted human trajectories into a **dynamic cost map** and improving navigation success by **88.9%** in simulation trials
- Built a **Gazebo simulation** framework with **dynamic actors** and **800+ trials**, contributing to future deployment of **Infosys autonomous shuttles** and **5-ton material transport robots** at companies with **\$10B+ annual revenue**

Skinstric AI

February 2025 – May 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 skin conditions and generate personalized skincare recommendation, 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 | [Certificate](#)

June 2024 – August 2024

Software Engineer Intern

Remote

- Transformed a static web application with **React.js** and **JavaScript** into an interactive user interface using animations, transitions, and carousels that improved **user engagement** by **40%** and **decreased bounce rate** by **25%**
- 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 team to collaborate seamlessly, reducing code conflicts by **50%**, and facilitating faster feature delivery by **15%**

Projects

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** (Gemini API), **real-time translation** in **100+** languages (Google Cloud Translation API) 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

GT Marketplace | [GitHub](#) | React.js, TailwindCSS, Firebase, Stripe, MongoDB

September 2024 - March 2025

- Collaborated with a team of **6** to build a web-based marketplace platform for Georgia Tech students, featuring **secure authentication**, **real-time product listings**, and a **chat system**, serving **75+** users
- Developed **responsive** product listing pages, product detail views, user profile, and user registration and login

Leadership

Society of Asian Scientists and Engineers (SASE)

May 2025 – Present

Events Director

Georgia Tech

- Planned **4+** back to school events in advance, securing **rooms**, **logistics**, and **marketing timelines**
- Created **shared planning calendar** and kickoff structure, improving coordination across **7+ officers**