Stanley Ke

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EDUCATION

University of Florida, Herbert Wertheim College of Engineering Gainesville, FL
Bachelor of Science in Computer Science *Aug 2023 – May 2027*
- Relevant Coursework: Data Structures and Algorithms, Software Engineering, Computational Organization, Linear Algebra, Professional Communication for Engineers

Eastern Florida State College Melbourne, FL
Associate's in Liberal Arts *May 2021 – May 2023*

PROJECTS

GatorAI Website | *Typescript, Next.js, Three.js, TailwindCSS* Aug 2024 – Present
- Spearheading the redesign and development of a dynamic, user-centric GatorAI website to enhance member engagement and increase club visibility.
- Leveraging Next.js to implement a full-stack solution with optimized performance, SEO, and server-side rendering for faster loading and a better user experience.
- Incorporated advanced libraries such as **Three.js** and **TsParticles** to create interactive, dynamic elements that brought the website to life.

Fortnite Pathfinder | *React, TailwindCSS, Git, Vercel* Nov 2024
- Won **1st** place among 175+ groups in a competition focused on algorithm interpretation and data processing
- Built a React web application to visualize and compare **Dijkstra's** vs **A* Search** pathfinding algorithms.
- Mapped **500,000+** terrain data points to build an accurate interpretation of the in-game map.
- Deployed a responsive and visually stunning web app with **TailwindCSS** styles on Vercel.

Enviropact | *ReactJS, TailwindCSS, Firebase* Sep 2024
- Designed and developed an intuitive **user interface** for Enviropact, an app dedicated to fostering and sustaining community engagement in environmental initiatives.
- Utilized component libraries such as AntD for consistent and reliable user experience and framer motion animation library for advanced designs.

EXPERIENCE

Incoming Frontend Developer Intern Jan 2025 – Present
University of Florida, College of Medicine *Gainesville, FL*
- Will be designing and refining the Year-to-Date Normalized Performance module which plays a critical role in performance tracking for the UF College of Medicine's website.
- Collaborate with a graphic designer to design and develop dynamic, user-friendly web pages, adapting to the fast-paced environment of a major academic institution.

GatorAI Co-Webmaster Aug 2024 – Present
University of Florida *Gainesville, FL*
- Partnering with a senior student and Meta SWE to design and develop the GatorAI website, aimed at enhancing the club's online presence and member recruitment.
- Led the design and development of the landing page, delivering a seamless and visually engaging user experience

Society of Asian Scientists and Engineers, SASE Intern Aug 2023 – May 2024
University of Florida, College of Engineering *Gainesville, FL*
- Design lead in the graphics committee for the fall semester and designed *eye-catching* graphics to attract new members to GBMs
- Technical specialist of the social committee in the spring semester to build the SASEBowl game for the event garnering participation of around *50 students*

TECHNICAL SKILLS

Languages: Python, C++, HTML/CSS, Javscript, MATLAB, ARM/Assembly
Frameworks: Node.js, Next.js, Express.js, Material-UI
Developer Tools: Git, VS Code, Clion, PyCharm, Figma, Dreamweaver Matlab, Photoshop, Blender, Autocad, Microsoft Suite
Libraries: React, Three.js, MUI, Framer Motion, OpenCv, SFML, PyGame, Catch2