Tristan Hendricks

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EDUCATION

Westridge High School
Computer Application Technology — Jan. 2022 - Dec 2024

Harvard University — Online
CS50 Introduction to Computer Science — 2024 - 2025

Cisco Networking Academy — Online
Computer Hardware Basics Certification — 2025

AWS Cloud Quest — Online
Cloud Practitioner — 2025

FreeCodeCamp — Online
Responsive Web design Certification — 2023 – June 2024

EXPERIENCE

Software Engineering Virtual Experience Program on Forage — Jan 2025
Electronic Arts
- Proposed a new feature for EA Sports College Football and wrote a feature proposal
- Designed a class diagram and implemented C++ class definitions
- Patched a bug and optimized the codebase with an improved data structure

Hackathon Participant Samsung Future Innvotion Lab — Feb. 2025
University of the Western Cape
- Developed a food safety scanner app in a 3-day hackathon.
- Collaborated in a team to design, build and present the project.
- Gained hands-on experience in software development, teamwork and problem-solving.

Full-Stack Developer — Sep 2023 - Present
Freelancer
- Developed and deployed full-stack web applications using React, Next.js, Node.js, and Tailwind CSS.
- Designed and optimized backend systems with Express, PostgreSQL, and Firebase for scalability and performance.
- Collaborated with clients to gather requirements, troubleshoot issues, and deliver user-friendly digital solutions.

PROJECTS

Code Screenshot v0 | *React.js, Tailwind CSS, Vite.js, HTML, CSS, JavaScript, Vercel* — Jan 2025 – Present
- Developed a startup tool that allows developers to generate clean, aesthetic screenshots of source code for sharing or documentation.
- Designed a sleek, minimal UI with Tailwind CSS to offer intuitive customization of code display, including themes, padding, and background styles.
- Enabled instant rendering and download of code snippets using a client-side rendering approach for performance and simplicity.
- Deployed the project to Vercel for rapid, serverless delivery and global accessibility.

BotBuddyAI Assistant | *React.js, Tailwind CSS, Vite.js, OpenAI GPT API, TypeScript, Vercel* — Sept 2024 - Present
- Built an interactive AI assistant web app with a full responsive design using React.js and Tailwind CSS.
- Integrated the OpenAI GPT model API to power dynamic conversational capabilities and intelligent responses.
- Designed a clean, user-friendly interface with thoughtful UX for seamless chat interactions across devices.
- Deployed on Vercel for scalable, serverless hosting with fast global access and minimal configuration.

Personal Portfolio Website | *Astro, Tailwind CSS, HTML, CSS, Netlify* — 2025
- Built a fast, modern portfolio website using Astro for optimized static site generation and performance.
- Showcased personal projects, technical skills, and startup experience with a clean, responsive UI styled using Tailwind CSS.
- Designed for mobile and desktop with smooth transitions, accessible layout, and interactive project highlights.
- Deployed on Netlify with continuous deployment and CDN support for global reach and fast load times.
- Integrated contact form and external project links for seamless user engagement.

Technical Skills

Languages: Python, C/C++, SQL (Postgres), TypeScript, JavaScript, HTML/CSS
Frameworks: Next.js, React, Astro, Node.js, Flask, WordPress, Wix Studio, Material-UI, FastAPI, UI/UX Design, Figma, Photoshop, Framer
Developer Tools: Git/GitHub, Agile Development, Docker, Google Cloud Platform, VS Code, Visual Studio, LinuxMicrosoft Excel, Microsoft Word, Microsoft PowerPoint, Microsoft Teams, Microsoft Access
Libraries: pandas, NumPy, Matplotlib