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ANDY TRAN

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<https://andy-tran-portfolio.vercel.app/>
<https://github.com/AyyyTran?tab=stars>

TECHNICAL SKILLS

- Languages: Java, C#, .NET, SQL, JavaScript/HTML/CSS, C, C++, Python, Bash, Powershell, SQL
- Frameworks and Libraries: Node.js, Express.js, MongoDB, React.js, Tailwind CSS, TypeScript, Next.js
- Tools: Docker, Microsoft SQL Server, Azure, CI/CD, JWT, Vercel, Linux/Unix, Slack, Microsoft 360, Figma, Github, Jira

PROJECTS

AI Powered Study Tool

Quizard

Sept 2024 – Dec 2024

- Implemented conditional rendering for personalized experiences, developed dynamic components that adjust based on user authentication status, providing tailored views for logged-in and guest users
- Built collection-based statistics component for answer insights. Displayed user answer performance data analytics visually. Leveraged ShadCN charts to offer clear insights, enhancing engagement through data-driven feedback
- Built and managed relational database models with SQLAlchemy, supporting user accounts, flashcard collections, and submission history. Collaborated to write optimized queries using SQLAlchemy to efficiently retrieve update flashcard statistics and user performance data.
- **Tech Used:** Next.js, FastAPI, SQLAlchemy, TailwindCSS, ShadCN, ZOD, Python, TypeScript, Pydantic, Groq API, Docker, Git, GitHub, Playwright, Jest, pytest | **Academic Project**

Pet Nutrition Consulting Site

HealingPetsNaturallyCanineNutrition

Feb 2024 – June 2024

- Designed and developed a responsive website for a pet nutrition consultant using **React.js**, enabling clients to explore services, learn about the consultant, and book appointments seamlessly across desktop and mobile devices
- Implemented an appointment booking system with a focus on intuitive **UX/UI**, along with automatic form emailing with potential customer info, reducing manual scheduling efforts and streamlining the client's workflow significantly
- Collaborated closely with the client to gather requirements, iterate on design mockups, and deliver a tailored solution through **agile** sprints and multiple iterations, ensuring alignment with their vision
- Deployed and hosted on **Vercel** using the client's custom domain, ensuring a professional online presence
- **Tech Used:** React.js, HTML5, CSS3, JavaScript, TailwindCSS, Git, GitHub, Vercel, Heroku | **Freelance Project**

Hairstylist Personal Portfolio Site

HairByKatieH

April 2023 – July 2023

- Designed and programmed a user-friendly **React.js** website optimizing for seamless experience across devices
- Implemented call-to-action elements and **UX**-friendly forms using **TailwindCSS** resulting in web-to-client conversions
- Collaborated closely with the client to incorporate their branding and style, ensuring the website matched their vision and effectively represented their business online
- **Tech Used:** React.js, HTML5, CSS3, JavaScript, Vercel, Git, GitHub, ViteJS, TailwindCSS | **Freelance Project**

EXPERIENCE

Head Busser/Barback

Harbour Events Convention Center

Oct 2023 - Present

- Demonstrate strong attention to detail by ensuring inventory management and proactive support for bar operations
- Collaborate with bartenders and liquor room team to ensure seamless service during the event, demonstrating strong communication and teamwork under high-pressure conditions

Graffiti Technician

Goodbye Graffiti

Jan 2024 - Present

- Manage daily routes and site patrols independently, demonstrating exceptional time and self-management skills
- Operate both independently and as part of a team with other technicians on larger projects, showcasing flexibility, coordination, and collaborative problem-solving

EDUCATION

Bachelor of Science in Applied Computer Science

BCIT

Sept 2022 – Present

- Diploma in Computer Systems Technology with Distinction. June 2023
- Undergraduate coursework: Network Security, Network and Protocols, Operating Systems, Software Engineering, Calculus for Computing, Project Management, Artificial Intelligence, Software Testing, Quality Assurance, API integration, Digital logic, Scripts, Operating Systems, Data Engineering, Relational Databases, Object-Oriented Programming