Peyton Touma

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PROFESSIONAL EXPERIENCE

Impact Capitol DC - Full-Stack Engineer
May 2023 - Present | Washington, DC

- Contribute to the development and ongoing enhancement of ALFReD, a production real estate intelligence platform.
- Build and maintain scalable frontend features using React, TypeScript, and Tailwind to improve usability and performance.
- Design and implement full-stack functionality including REST APIs, backend services, and PostgreSQL data models.
- Integrate AI features using LLMs, embeddings, and Pinecone with retrieval-augmented generation workflows.
- Improve system performance and reliability through query optimization, refactoring, and efficient data handling.
- Collaborate with product and business stakeholders to deliver production-ready features end-to-end.

Shopify E-Commerce Developer (Freelance)
2024 - Present

- Develop and maintain multiple live Shopify stores using Liquid, HTML, CSS, and JavaScript.
- Customize themes and build reusable components to support marketing and operational workflows.
- Optimize performance, mobile responsiveness, and site structure to improve user experience and conversion potential.
- Manage deployments, troubleshoot issues, and maintain stability across multiple production environments.
- Work directly with business owners to scope requirements and deliver scalable e-commerce solutions.

Code Ninjas - Code Instructor
Sep 2023 - Oct 2024 | Los Angeles, CA

- Taught JavaScript, Python, and React through hands-on project-based instruction.
- Designed curriculum covering web development fundamentals, AI concepts, and 3D development.
- Mentored students through full project lifecycles and problem-solving exercises.

Yale Productions - 3D Developer
Sep 2023 - Jan 2025 | Remote

- Created 3D assets and animations using Blender and Cinema 4D.
- Developed interactive applications used as on-screen props.
- Optimized rendering workflows to meet production deadlines.

TECHNICAL SKILLS

Frontend: React, Next.js, TypeScript, JavaScript, HTML5, CSS3, Tailwind CSS, Responsive Design, Component Architecture, State Management, Performance Optimization
Full-Stack: Node.js, Express, Python, REST API Design, API Integration, PostgreSQL, SQL
Shopify: Shopify Theme Development, Liquid, Store Customization, App Integration, Conversion Optimization
AI: LLM Integration, Retrieval-Augmented Generation, Pinecone, Vector Databases, Embeddings, Prompt Engineering
Cloud: Docker, AWS, Git, GitHub, CI/CD, Vercel
Design: Figma, Adobe Creative Suite, Blender, Cinema 4D

EDUCATION

UCLA - Full-Stack Web Development Program
Aug 2023 - Feb 2024

Google - UX/UI Design Certificate
Feb 2023 - Jul 2024

Penn West University - B.S. Business Management
Aug 2017 - May 2020