

Courtney Quinn

Email: courtney.quinn320@gmail.com

Phone: 703-405-8524

EDUCATION

Virginia Polytechnic Institute and State University (Virginia Tech)

2022 - 2025

B.S of Computer Science – Cum Laude

PROFESSIONAL EXPERIENCE

Software Engineer I | Wayfair - Project Shopping (My Projects) Team

July 2025 - Present

- Full-stack engineer on the Project Shopping team, a high-revenue B2C-facing product enabling collaborative furniture planning and purchasing.
- Designed and shipped production features across React (TypeScript), Node.js, and GraphQL APIs
- Owned end-to-end feature development including schema design, backend resolver implementation, and frontend UI integration
- Improved production observability by integrating Datadog logging and monitoring across services.
- Built scalable frontend components from Figma specifications in collaboration with Product and Design
- Collaborated with multiple internal platform teams to align GraphQL contracts, analytics tracking, and shared component libraries.
- Contributed to performance optimizations and bug fixes that improved user experience and reduced cart/project drop-off.
- Participated in CI/CD pipelines, automated testing (Cypress), feature flag rollouts, and production releases

Full Stack Intern | Wayfair

June 2024 - August 2024

- Built full-stack product features using React, Node.js, and internal APIs
- Implemented backend endpoints supporting data backfill workflows and operational tooling
- Developed UI components to support internal workflows for correcting and managing product data
- Collaborated with engineers across services to ensure reliable data ingestion and validation

Machine Learning/AI Fellow | Break Through Tech AI @ Cornell Tech

April 2024 - September 2024

- Engaged in advanced machine learning and artificial intelligence research projects.
- Built ML models and data pipelines for real-world datasets
- Collaborated in technical teams to design and evaluate model performance

Software Engineer Intern | Naval Warfare Center

June 2025 - August 2024

- Developed tools to improve mission-critical data storage and retrieval systems
 - Designed and implemented a SQL database integrating structured data from multiple sources
 - Built workflows to automate ingestion of operational data from Excel into centralized databases
 - Collaborated with international engineering teams on system design and testing
-

ADDITIONAL PROJECTS

Automated Vehicles Fuel/Energy Estimation Web App (Capstone Project)

- Built a full-stack web application for estimating vehicle fuel and energy consumption across ICEV, BEV, HEV, and HFCV vehicle types
 - Implemented Python data processing pipelines to analyze real driving speed datasets
 - Designed APIs and a web interface for visualization and comparative analysis of energy efficiency
 - Focused on data accuracy, clean API design, and performance optimization
-

TECHNICAL SKILLS

Languages: *TypeScript, JavaScript, Python, Java, C++*; **Frontend:** *React, Next.js, GraphQL (Apollo), HTML, CSS* **Backend:** *Node.js, GraphQL APIs, RESTful services*; **Databases:** *MySQL, SQL, Firebase*; **Cloud & DevOps:** *AWS, Docker, Kubernetes, CI/CD (Buildkite, Jenkins)* **Testing and Observability:** *Playwright, Cypress, Datadog* **Tools & Practices:** *Git, GitHub, Figma, Agil/Scrum, Jira, Feature Flags*
