

Education

Virginia Tech, Blacksburg VA | B.S. in Computer Science (College of Engineering) | Expected Graduation Spring 2027 | 3.82 GPA

Work Experience

Fairfax Water | **Operational Technologies Network Aide Intern** | May 2024 - Jul 2024 & May 2025 - Aug 2025

- Built a Power BI dashboard to assist with efficient mass data selection for state reports
- Developed a Visual Basic Excel Macro to automate and streamline parsing of HST data files
- Configured Active Directory user accounts and workstation policies for the Operational Technology (OT) network
- Installed and commissioned PID controllers for an ozone destructuring control panel
- Configured an RS-485 communication network integrating Chemtrac and Precision Digital devices for ozone residual monitoring

Luyx LLC | **Founder / Product Engineer** | Dec 2021 - Present

- Built a high-performance web application using SvelteKit, implemented a custom OAuth2 flow, and managed SEO initiatives to improve visitor traffic
- Engineered a robust data storage layer using MongoDB, managing over 250,000 user documents for the CountBot application
- Constructed efficient CI/CD pipelines that guide source code from testing stages to production deployments
- Created a custom Hot Module Replacement system to deploy updates with zero downtime.
- Designed and maintained a secure RESTful API supporting external integrations and business logic access
- Implemented Docker to containerize development, staging, and production environments

SomethingHost | **Web Senior Support Agent** | Nov 2021 - May 2023

- Delivered advanced technical support for customer services, improving response quality and resolution time
- Assisted in pre-sales and onboarding processes, contributing to customer acquisition and retention
- Participated in business continuity and disaster recovery planning and execution

Technical Skills

Languages: TypeScript, HTML, CSS, SQL, Java, C, Bash, Visual Basic, Python

Frameworks & Libraries: SvelteKit, Next.js, React, Express, Fastify, Vite

Tools & Development Practices: Git, CI/CD, Docker, Agile methodology, RESTful API design, CORS, WebSockets, Hexagonal Architecture, SEO, Web Standards

Data Management: MongoDB, PostgreSQL, Drizzle-ORM

Platforms & Services: Cloudflare, GitHub, Linux, Stripe