

## 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 - Present

- 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 industrial control hardware including PID controllers and residual analyzers.
- Set up an RS-485 communication network integrating Chemtrac and Precision Digital devices.

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

- Lead developer of CountBot, a Discord Application / business operating for 4+ years.
- Built a high-performance web application using SvelteKit, implementing a custom OAuth2 flow, and managed SEO initiatives to improve organic traffic.
- Engineered a robust data storage layer using MongoDB, managing over 200,000 user records.
- Designed and successfully executed a monetization strategy through premium subscription offerings.
- Integrated internationalization support via LingoHub for multilingual compatibility.
- 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.

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

## Skills

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

**Frameworks & Libraries:** SvelteKit, Next.js, React, Express, Fastify, Tailwind CSS

**Tools & Development Practices:** Git, CI/CD pipelines, Agile methodology, RESTful API design, CORS, Hexagonal Architecture, SEO

**Platforms & Services:** Linux, MongoDB, DigitalOcean, Cloudflare, Stripe, Chargebee