

EXPERIENCE

- **Bugle Volunteer Technologies** Remote
Software Engineer *Mar. 2023 – Present*
 - **Event Builder Refactor:** Led a comprehensive refactor of the platform’s central feature, transforming an 11,000-line monolithic file into a well-architected, modular system using domain-driven design principles and feature-based architecture.
 - **Agentic Engineering:** Pioneered the team’s agentic engineering practice, building automated development pipelines leveraging AI tools including Claude Code and Gemini CLI for scaffolding, component generation, and standards enforcement. Improved developer productivity by 30%.
 - **Feature-Based Architecture:** Introduced and implemented domain-driven, feature-based architecture across the codebase, leading a team of 4 engineers to adopt the process, improving code quality and shipping velocity.
 - **CI/CD Pipeline:** Designed and built the platform’s CI/CD pipeline using GitHub Actions, reducing the application’s bundle size by 50% through systematic performance analysis.
 - **Performance Optimization:** Identified and resolved critical page-speed bottlenecks by optimizing data fetching patterns and implementing server-side pagination, improving load times on the platform’s slowest pages by 90%.
 - **Business Impact Features:** Built a collection of user-facing features that directly contributed to business growth, enabling the company to onboard an average of 5 new nonprofit organizations per day.
 - **Agile Leadership:** Operated as both technical lead and individual contributor within a 4-person engineering team, driving architectural decisions, mentoring peers, and establishing development processes in an Agile/Scrum environment.
- **Bugle Volunteer Technologies** Remote
Software Engineering Intern *Nov. 2022 – Feb. 2023*
 - **Frontend Development:** Developed user-facing features for a B2B volunteer management platform using React, TypeScript, and Next.js, contributing to a product serving nonprofit event organizers at scale.

EDUCATION

- **Brown University** Providence, RI
Master of Science in Mathematics *Aug. 2017 – June 2019*
- **Purdue University** West Lafayette, IN
Bachelor of Science in Mathematics (Honors) *Aug. 2013 – May 2017*

PROJECTS

- **Portfolio Website:** Personal portfolio built with Next.js, React, and Tailwind CSS, deployed on Vercel. Showcases software engineering experience and technical capabilities.
- **Algorithmic Trading Bot (In Progress):** Building an automated trading system using the Alpaca Trading API, applying algorithmic strategies to execute trades programmatically.

TECHNICAL SKILLS

- **Languages:** TypeScript, JavaScript, Python, HTML, CSS/SCSS, SQL
- **Frameworks & Libraries:** React, Next.js, Node.js, tRPC, Prisma, Jest, Storybook
- **Tools & Platforms:** Git, GitHub Actions, AWS, Vercel, Docker, PostgreSQL, Postman, Figma
- **Methodologies:** Agile/Scrum, Domain-Driven Design, Feature-Based Architecture, CI/CD, REST APIs, Agentic Development