

NATHANAEL J. BRACY

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EDUCATION

Clarkson University, Potsdam, New York

Bachelor of Science, Computer Engineering, Minor in Mathematics

Aug 2023 – May 2026

GPA 3.6/4.0

EXPERIENCE

Innovation Engineer

APM Help (<https://apmhelp.com/>)

Feb 2025 - Present

Software Engineering Intern

Rappo (<https://buildrappo.com/>)

May 2024 - Feb 2025

- Developed a responsive landing page and blog using **Astro.js** and **Tailwind CSS** ensuring a modern and user-friendly **frontend**.
- Built reusable web components with **TypeScript** enhancing code maintainability and portability.
- Configured and optimized **backend** infrastructure on **Google Cloud Platform (GCP)**, to improve server performance and deployment efficiency.
- Managed **version control** and deployment workflows using **Git** and **Docker**, adhering to best practices for branching, pull requests, and merging.
- Ensured code quality and reliability through comprehensive **unit tests** and **end-to-end testing** with Jest and Cypress.

PROJECTS

Shards

<https://github.com/servusdei2018/shards>

Jan 2021 – Present

- Developed an open-source library to enhance the performance and **scalability** of Discord bots created with discordgo by integrating with Discord's **shard management** API.
- Contributed to the open-source community by maintaining comprehensive **documentation**, resolving issues, and incorporating user feedback, demonstrating expertise in **community engagement**.

Yarn Social

<https://git.mills.io/yarnsocial/yarn>

Nov 2021 – Jan 2022

- Enhanced the **authentication** flow by implementing a redirect mechanism that returns users to their original page after logging in, improving overall user experience and navigation.
- Redesigned the server-side **in-memory cache** to address performance bottlenecks and ensure cache consistency, resulting in a more efficient and reliable application.
- Optimized Twitter/X feed aggregation by leveraging **web scraping** and **content summarization**, enhancing data integration and handling to ensure more accurate and timely updates from social media sources.

MEMBERSHIPS

- Institute of Electrical and Electronics Engineers
- Clarkson Open-Source Institute

TECHNICAL SKILLS

- Programming Languages: C++, Go, Python, Java, TypeScript, VHDL
- Frameworks: Astro, Cypress, Express, Gin, Jest, Puppeteer, Vue
- DevOps: CI/CD, Docker, Git, Kubernetes