NATHANAEL J. BRACY

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EDUCATION

Bachelor of Science, Computer Engineering   GPA: 3.6/4.0
Clarkson University, Potsdam, New York   August 2023 – May 2026

- Recipient of a Clarkson Engineering Scholarship in recognition of academic excellence.

EXPERIENCE

Fullstack Engineering Intern
Rappo (https://buildrappo.com/)   *May 2024 - Present*

- Developed company landing page using **Astro.js** and **Tailwind CSS** resulting in a visually appealing and responsive **frontend**.
- Utilized **TypeScript** to develop portable web components, streamlining code reuse and improving overall codebase maintainability.
- Set up and configured **backend** systems on **Google Cloud Platform (GCP)**, optimizing server performance and deployment processes.
- Managed **version control** and coordinated code changes using **Git** and **Docker**, following best practices for branching, opening pull requests, and merging to maintain a smooth development workflow.
- Implemented **unit tests** and **end-to-end testing** using Jest and Cypress, ensuring high code quality and reliability.

PROJECTS

Shards
https://github.com/servusdei2018/shards

- 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

- 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.

TECHNICAL SKILLS

- **Programming Languages**: Go, Python, Rust, TypeScript
- **Frameworks**: Astro, Cypress, Express, Gin, Jest, Puppeteer, Vue
- **DevOps**: CI/CD, Docker, Git, Kubernetes