NATHANAEL J. BRACY

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EDUCATION

Clarkson University, Potsdam, New York
Bachelor of Science, Computer Engineering, Minor in Mathematics   GPA 3.6/4.0

EXPERIENCE

Innovation Engineer
APM Help (https://apmhelp.com/)   Feb 2025 - Present
- Rapidly build and prototype backend services to support new product initiatives and feature experimentation.
- Design and implement scalable APIs, data-driven pipelines, and service architectures to enable fast iterations.
- Collaborate closely with product and operations teams to translate business needs into functional software solutions.
- Develop proof-of-concept systems and minimum viable products (MVPs) to validate ideas and gather user feedback quickly.

Student Ambassador
Intel Corporation   Feb 2025 - Present
- Promote awareness and adoption of Intel's oneAPI and associated toolkits among students and faculty.
- Organize and lead workshops on high-performance computing (HPC), parallel programming, and heterogeneous computing.
- Provide technical guidance and mentorship to students exploring AI, machine learning, and accelerated computing using Intel platforms.

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**.

MEMBERSHIPS

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

TECHNICAL SKILLS

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