

Naeem Hawkins

Expected Graduation 2027

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EDUCATION

St. John's University – B.S. Computer Science

2023 – 2027

- *Minor:* International Studies
- *Relevant Coursework:* Databases, Machine Learning, Discrete Mathematics, Data Structures & Algorithms
- *Activities:* Association of Computing Machinery, Phi Eta Sigma Honor Society, Financial Management Association
- *Awards:* Dean's List (2023-2024)

St. John's University, Rome Campus

January 2025 – May 2025

- *Awards:* Gilman International Scholar (2025)

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, JavaScript, HTML, CSS, Typescript, C++
- **Backend:** Django, Flask, Quarkus, REST, PostgreSQL, Redis
- **Frontend:** React, Next.js, Tailwind, Svelte + SvelteKit
- **Data/ML:** SQL, Pandas/NumPy, PyTorch, Linear/Constraint Programming (PuLP/OR-Tools)
- **Cloud/DevOps:** AWS (EC2/S3/RDS), Cloudflare Workers/R2/KV, Docker, GitHub Actions
- **Design/Prod:** Figma, Adobe Creative Suite (AE, PR, PS)

WORK EXPERIENCE

Software Developer – *OneDigital*, Syracuse, NY

May 2025 – Present

- Engineered a comprehensive upgrade of a legacy, Java-based client management system using JSFaces, jQuery, and Bootstrap, which improved site loading times by approximately 30%
- Architected and implemented a new policy generation algorithm that reduced average processing time from 4 minutes to less than 1 minute, significantly increasing efficiency (+75% faster)
- Migrated application to AWS using EC2 and RDS, cutting down deployment time to ~1 min.

PROJECTS & LEADERSHIP EXPERIENCE

Social Platform for International Education – *RomeWithMe*

June 2025

<https://romewithme.com>

- Built a scalable full-stack social platform for international education resources & discovery with a custom CMS, designed to handle thousands of concurrent users.
- Consolidated 10+ features (social posts, scholarships, programs, resources, profile mgt., admin, provider directories, newsletters, etc.) with data for each provided by the cohesive CMS.
- Built a scalable Content Management System using Django and PostgreSQL, capable of handling 100s of requests simultaneously on a small AWS instance & integrated a secure authentication system with JWT flows
- Implemented edge caching with Cloudflare Workers/R2/KV, achieving <100ms response times
- Built production-ready CI/CD pipeline with GitHub, Docker, and health monitoring, enabling 10+ deployments/week with zero downtime.

Task Queue Scheduler / Motion Clone

September 2024

- Designed a calendar task scheduler using Linear & Constraint Programming (OR-Tools), optimizing for deadline adherence and priority-weighted completion under working-hour constraints.
- Exposed a Quarkus REST API with idempotent job submission and webhook callbacks; solved typical instances (~200 tasks) in less than 300ms on average.

ADDITIONAL INFORMATION

- **Language:** English (Fluent), Spanish (Working Proficiency), Italian (Conversational)
- **Volunteering:** Meals From the Heart, Habitat for Humanity, Island Harvest, Mission Discovery – Church Build
- **Additional Projects:** College Course Plan Optimizer, E-Commerce Shop for Fragrance Brand