

Fiona A Azumah

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EDUCATION

Syracuse University, Syracuse, NY
B.S., Computer Science, cum laude

May 2026

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, C++, SQL

Databases: PostgreSQL, MySQL (relational), Firebase/Firestore (NoSQL)

Cloud & Infrastructure: Firebase, Vercel, GitHub Actions (CI/CD), Git/GitHub, Linux

Frameworks & Tools: React, Node.js, Next.js, Prisma, Spring Boot, Tailwind CSS, JUnit 5

PROJECTS

Personal Productivity Dashboard | Next.js 14, TypeScript, Prisma, PostgreSQL (Neon)

- Designed and shipped a full-stack productivity app end-to-end, from relational database schema design through deployment.
- Designed a **normalized Prisma/PostgreSQL schema** representing habit cadence as an **interval rule** rather than a fixed field, enabling a single query path to **derive due-state** for both daily habits and irregular multi-week intervals without hardcoded branching logic.
- Built multiple **time-horizon views**: daily task organization, a weekly focus widget with end-of-week reflection, and a quarterly view for longer-term goal tracking

World Cup 2026 Fantasy Prediction Pool | Javascript, Firebase/Firestore, Claude Code

- Architected and shipped a real-time, **cloud-hosted** fantasy prediction application, supporting 11 concurrent users across 104 live matches through the World Cup 2026 group stage and knockout rounds.
- Designed a **NoSQL (Firestore) data model** and real-time match-locking logic to maintain leaderboard data consistency under concurrent score updates.
- Debugged and iterated the schema and synchronization logic through a major structural transition (group stage to knockout), adapting the architecture to changing requirements.

WORK EXPERIENCE

Apple Inc., Freehold NJ

August 2025 – Present

Technical Specialist

- Diagnose and resolve complex technical issues through **systematic troubleshooting and root cause analysis**, identifying patterns to prevent recurring problems
- Communicate technical solutions clearly to non-technical users**, customer-facing audiences, translating system-level concepts into actionable guidance in high-pressure, one-to-one settings.

Google, New York City NY

May 2024 – July 2024

Software Engineering Program Mentee - Google Home Team

- Selected for Google's competitive engineering mentorship program (2% acceptance rate); applied Java and data structures to real-world engineering challenges with a Google Home team engineer.

Unilever, Accra Ghana

May 2023 – July 2023

Software Engineering Intern

- Built an automation pipeline for daily treasury reconciliation, sourcing live financial data from **SQL-based systems** and processing it with Python and Pandas to integrate with Microsoft Excel reporting
- Designed the **data flow** from raw **SQL extraction** through **transformation and validation** to final reconciled output, reducing manual reconciliation effort by approximately 10 hours per week
- Tested, debugged, and documented the pipeline to ensure reliable deployment, maintainability, and knowledge transfer