

Obinna Nwachukwu

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EDUCATION

Georgia Institute of Technology

Bachelor of Science in Computer Science, Minor in FinTech

Atlanta, GA

May 2026

EXPERIENCE

Cisco Systems

Technical Intern I

Research Triangle Park, NC

Jun 2025 – Aug 2025

- Built recommendation API, session store, and ETL tooling using Python, FastAPI, SQLite, LangGraph, Azure OpenAI, Java Spring, and Angular
- Collaborated with stakeholders through code reviews, deployments, and cross-team integration workflows

Georgia Tech VIP Program

Full Stack Developer

Atlanta, GA

Jan 2024 – May 2025

- Developed AI-driven study tools with RAG indexing, LLM integrations, and FastAPI backend deployed on GT's PACE supercomputer
- Led full-stack development and system design, coordinating code reviews, releases, and weekly team meetings

PROJECTS

Stirixi | *Snowflake, MongoDB, FastAPI, Next.js, Solana, Docker, CI/CD*

Nov 2025

- Won Best Use of Solana and Microsoft for Startups (\$25k credits) at AI ATL hackathon for engineering analytics platform
- Built analytics dataset from Kaggle GitHub PR data and designed ML models for engineer performance scoring
- Deployed production Next.js app on Vultr with SSL/Let's Encrypt and GitHub Actions CI/CD for automatic deployment

Interview Prepper | *Next.js, Firebase, OpenAI APIs, Product Analytics*

May 2025 – Sep 2025

- Co-founded AI interview-prep platform; launched to 200+ registered and 1,000+ active users within two weeks
- Implemented full-stack features with Next.js, Firebase, OpenAI APIs achieving 70%+ onboarding completion rate

AI Study Suite (StudyBuddy) | *Python, FastAPI, Next.js, RAG, LLMs*

Aug 2024 – May 2025

- Built context-aware RAG chatbot with source-verifiable answers and two-pass quiz generator from lecture content
- Led development within 4-member team via structured weekly planning, code reviews, and task delegation

Custom MapReduce Framework | *C++, gRPC, Concurrency, Distributed Systems*

Apr 2025

- Built MapReduce framework with synchronous gRPC and multi-threading for reliable worker state management
- Prevented record-splitting by aligning input shards on newline boundaries to ensure distributed data integrity

Distributed Store with Async RPC | *C++, gRPC (async), Concurrency, Networking*

Mar 2025

- Built asynchronous gRPC client/server enabling concurrent vendor queries with completion queues
- Reduced client query latency by up to 5x via parallel backend calls and custom threadpool implementation

LEADERSHIP & COMMUNITY ENGAGEMENT

Georgia Tech Student Government Association

Computer Science Representative

Atlanta, GA

Mar 2024 – Present

- Represented and advocated for $\approx 5,000$ CS undergraduates in legislative sessions and policy discussions, elected by 500+ peers

TECHNICAL SKILLS

Languages: Python, Java, JavaScript/TypeScript, C++, C, SQL, HTML/CSS

Frameworks & Libraries: React, Next.js, Node.js, FastAPI, Flask, LangGraph, React Native, Spring, Angular

Databases & Tools: MongoDB, SQLite, Firebase, Milvus, Git, Docker, Kubernetes

Cloud & AI: AWS, Azure, GCP, OpenAI APIs, Azure OpenAI, Google Gemini, RAG, LLMs