Ameen Agbaria

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EDUCATION

Georgia Institute of Technology, College of Computing   **Atlanta, GA**

BS/MS of Science in Computer Science,   *August 2022 - May 2027*

- Concentrations: Artificial Intelligence and Devices (Embedded Systems & Robotics)   GPA: 3.92/4.00
- Honors: Faculty Honors and dean's list x5. Minor in French.
- Study and research abroad: Georgia Tech Europe Summer 2025
- Relevant Coursework: Object-Oriented Programming, Data Structures & Algorithms, Design & Analysis of Algorithms, Computer Programming & Organization, Computer System and Network, Machine Learning, Computer Vision

EXPERIENCE

NCR Voyix   **Atlanta, GA**

Data & AI Intern   *May 2024 - August 2024*

- Implemented Microsoft Purview as a Data Governance Framework, streamlining data discovery for 1M+ data subjects
- Generated personalized promotions using LLMs based on transaction data from 42000+ customers as a proof-of-concept
- Deployed an AI chatbot in the Digital Banking Slack channel to assist 2000+ employees 24/7, reducing wait time by 96%

Georgia Tech College of Computing   **Atlanta, GA**

Head Teaching Assistant (CS 3510 & CS 1331)   *May 2023 - August 2025*

- Instructed a course section of algorithm design and analysis, a master's level class, and graded 50+ exams and assignments
- Taught principles of object-oriented programming in Java to 3000+ students, a prerequisite course for higher-level classes
- Ranked 5/5 by 100% of the student surveys in overall effectiveness, approachability in office hours, and preparedness

Georgia Tech Europe   **Metz, France**

Computer Vision Research Assistant   *May 2025 - August 2025*

- Analyzed semiconductor layer lift-off mechanics by processing 50+ microscopy images to quantify crack patterns and area
- Integrated Python's OpenCV to efficiently process III-Nitride semiconductor layer to optimize Self-Lift-Off and Transfer
- Contributed to writing a research report for the PhD thesis of my mentor on device epitaxy, fabrication, and optimization

PROJECTS

NLP for Financial Markets   **Atlanta, GA**

Vertically Integrated Project (VIP) Student Researcher   *January 2024 - May 2025*

- Created 400+ questions with operator-format solutions using numerical reasoning to benchmark LLM performance
- Led the writing of the research paper through critical analysis and implementation of cutting-edge graph attention networks
- Engaged in replicating an advanced NLP model using Python, a dataset of S&P1500 companies, and volatility formula

ARchitecture iOS App   **Atlanta, GA**

Backend developer   *January 2025 - May 2025*

- Designed an iOS app using RealityKit, Augmented Reality, and SwiftUI that serves 100+ active Apple App Store clients
- Incorporated data from IKEA and Amazon to offer personalized furniture suggestions with real-time 3D testing in place

Student Advisory Board (SAB)   **Atlanta, GA**

Executive Board member   *January 2025 - Present*

- Represented 1000 students in the French department under the School of Modern Languages (ML) student advisory board
- Improved students' means of finding resources academically and socially, thus facilitating a positive college experience

SKILLS/ INTERESTS

Programming:	Java, Python, C/C++, Assembly, C#, HTML, JavaScript, JavaFX, SQL, Swift, SwiftUI
Technologies:	Git, torch, OpenAI, Android Studio, Figma, MongoDB, Node.js, IntelliJ IDEA, OpenCV, Numpy
Affiliations:	Alpha Kappa Psi (co-ed professional fraternity), French Club, GTWebDev, iOS Club, Data Science Club
Languages:	English (native), Hebrew (fluent), French (proficient), and Arabic (bilingual)
Interests:	Running, Indoor Rock Climbing, Working Out, Hiking, Fashion, Reading, Museums, Art, Painting, Cooking