

Damilola Awofisayo

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EDUCATION

Duke University | Robertson Scholar (Merit-based, full-ride scholarship) | SPIRE Fellow

Expected May 2026

Bachelor's Degree in Computer Science; Minor in Business Administration; Certificate in Digital Intelligence

GPA: 3.96

- **Relevant Coursework:** Discrete Mathematics, Data Structures, Computer Architecture, Intro to Data Science, Intro to Database Systems, Artificial Intelligence 1 & 2, Computer Vision, Mobile App Dev, Calculus 1 & 2
- **Organizations:** Management Leadership for Tomorrow, ColorStack, Rewriting The Code, National Society of Black Engineers

SKILLS & TOOLS

- **Languages:** Java, Python, Swift, C/C++, Postgresql, SQL, Go, Java Script, R, Linux, Unix, HTML5 & CSS, Assembly
- **Tools:** *Machine Learning (CoreML, Tensorflow) Mobile (XCode, Android Studio), Data science (NetworkX, Jupyter Notebook), CLI, Systems (Kubernetes, Docker), Web (AngularJS), Data (Azure Synapse, PySpark)*

WORK EXPERIENCE

Microsoft | Redmond, WA

May 2024 - Aug 2024

Software Engineer Intern

- Planning and developing a Deep Entity Classifier to enhance malicious app detection through advanced machine learning techniques
- Constructing a Graph Neural Network utilizing data from Microsoft Graph and Azure Synapse, assessing effectiveness with XGBOOST model

Greymatter.io | Alexandria, VA

Jul 2022 – Aug 2022

Software Engineer Intern

- An intelligent mesh platform for enterprise microservice, container, and hybrid cloud operations
- Collaborated with 5 to build a mesh integration diagnostic tool with Kubernetes, Docker, jupyter notebook, networkX & Matplotlib

Dress for Success | New Orleans, LA

Jun 2023 - Aug 2023

Salesforce Administrator

- Fix technical issues on Salesforce management database; design data models, create and manage flows such as a client intake form
- Manage Twilio for bulk texting clients, email and text automation; create reports for board members with 20,000+ unique client data points

George Mason University | Fairfax, VA

Jun 2020 – Aug 2020; Jun 2021– Aug 2021

Research Intern

- Conducted a research project using machine learning to detect wildfire pollution with guidance from Dr. Ahmadi and Dr. Islam
- Trained ML model employing computer vision and natural language processing techniques to detect dark patterns on web and mobile apps
 - Worked on data collection and validation using Python to scrape dark patterns from over 10000+ websites
 - Paper accepted for the 45th IEEE/ACM International Conference on Software Engineering (ICSE 2023)

Public Speaker | Various Locations

Sep 2022 - Present

- Speak on various topics, including diversity in STEM, education, and emerging technologies/entrepreneurship in the US and Africa.
- Notable events: *Morehead Planetarium:* Keynote speaker, *Boston Museum of Science:* Panelist, *Apple:* Youngest speaker at the Black Developers Showcase, Macbook Air Launch 2024
- **Features in:** CNN, New York Times, Yahoo, Apple Newsroom, CheddarTV, Fox5 DC, AfroTech

Sanford School of Public Policy | Durham, NC

Sep 2022 - Present

Tech Policy Lab Research Assistant

- Research with Dr. Hoffman about capital investment in international cybersecurity startups for Duke's cybersecurity capacity building initiative

LEADERSHIP AND COMMUNITY SERVICE

Impact First Ventures | Durham, NC

Sep 2023 – Present

Duke Founder and Venture Lead

- Sourcing and performing due diligences for social impact startups for a \$5M cross-campus national fund
- Forming relationships with student founders, and collaborating with Duke's I&E program to bolster Duke's startup ecosystem

TechHacks | Washington, DC

Jun 2020 – Jul 2023

Founder and Executive Director

- Organized and led one of the largest student hackathons in the world with 1900+ registrations from 63 countries, raising over \$54,000 yearly
- Support and fund 10+ student hackathons in female empowerment initiatives during their events

PROJECTS

- **Vision (2021)–** *Swift, Swift Playgrounds, SwiftUI*
 - Develops reading skills for students with dyslexia through simulations supported by recent research
 - Swift Student Challenge Winner 2021; selected as 1 of 12 to present app to Apple CEO, Tim Cook; Featured on the app store for WWDC
- **ASL Go (2021) –** *XCode, CoreML, Figma*
 - Worked in a group with 3; built and integrated the CoreML model to detect live hand gestures to learn the basics of ASL with live feedback
 - Submitted to MIT's hackathon; received the most participant votes out of 70+ projects. Featured on Apple Newsroom.
- **Ask Sam (2020) –** *HTML, CSS, Bootstrap, AngularJS, Typescript, AWS Lambda*
 - Worked with partner; built full-stack web application and integrated chatbot to website
 - Chatbot that can discuss over 20 different political issues and recommend articles and resources; submitted to Congressional App Challenge
- **Investyx (2020) –** *Plaid API, Swift, XCode*
 - Worked in a team; focused on backend and integrating Plaid API; interactive choices game that teaches players the fundamentals of investing
 - Submitted to TechTogether Boston Hackathon, won Capital One's Best Financial Hack; won 3rd best overall hack @ HackTAMS
- **LinguaBot (2022) –** *Google Cloud, React, HTML, CSS, Blenderbot, Flask*
 - Chatbot to immerse users in over 50+ languages through real-time verbal or written conversation; integrated Google Cloud speech to text API
 - Worked in a group of 5; Submitted to HackNC; won best use of Google Cloud

AWARDS & RECOGNITIONS

- **Hackathons:** *Capital One's* Best Financial Hack, *HackNC* Best Use of Google Cloud, *HackBI* Best Overall Hack, *HackTAMS* 3rd place overall