

Somtochukwu Nwagbata

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Education

Georgia Institute of Technology
Bachelor of Science in Computer Science

August 2021 – May 2025
Atlanta, GA

Experience

Georgia Tech College of Sciences

August 2022 – Present

ARCS IT Student Worker

Atlanta, GA

- Diagnosed and resolved hardware, software, and network issues for over 100 employees, ensuring minimal downtime and increased productivity.
- Utilized Microsoft Deployment Tool to automate the deployment of Windows operating systems across multiple workstations.
- Trained new student hires on policies and procedures, ensuring a seamless onboarding experience for all new student employees.

Amazon

May 2023 – August 2023

Software Development Engineer Intern

Seattle, WA

- Successfully led the conversion of a CLI-based load testing tool to a more efficient and accessible API-based service, expanding platform access to several teams.
- Utilized AWS Lambda, AWS API Gateway, Amazon DynamoDB, and AWS Cloud Development Kit to architect and implement a scalable serverless backend, optimizing cost and performance.
- Developed a responsive and intuitive React website in TypeScript, integrating Amazon's internal UI component library for a consistent user experience.
- Implemented secure authentication and authorization mechanisms to ensure data privacy and protect against potential abuse.

Amazon

May 2022 – August 2022

Software Development Engineer Intern

Seattle, WA

- Worked with the AWS Lambda Team to develop an internal tool aimed at reducing the operational costs associated with development stacks.
- Leveraged several AWS services including Lambda, EC2, CDK, OpenSearch (ElasticSearch), and SES in the development of the internal tool.
- Joined my team's Kanban rotation and served as the Kanban master driving daily stand-ups and sprint planning/retrospectives.

Projects

MyKdramaList | *Python, Firebase*

November 2021 – Present

- Developed a web scraper that scrapes data from an online database of Korean television series and uploads the data to a Firestore database.
- Implemented a GitHub action that updates and adds new scrapped data in the database.
- Currently working on a mobile app that allows users to add T.V shows to their watchlist, and then create recommendations based on the user's watchlist.

HCBE Alerts | *Flutter, Dart, Java, Firebase*

September 2020 – May 2021

- Led a team of three to develop a mobile app designed to alert all school staff and School Resource Officers of any emergency going on campus.
- Implemented Google OAuth to only accept email addresses associated with the school district.

Volunteer Experience

Hold a Hand Project

January 2018 – Present

Technical Manager

Austin, TX

- Designed, developed, and currently maintain the non-profit's website, ensuring that the site was visually appealing, easy to navigate, and optimized for search engines.

Technical Skills

Languages & Frameworks: Java, Dart, Python, Flutter.

Developer Tools: Git, GitHub, Amazon Web Services (AWS), Google Cloud Platform (GCP)