

# DESMOND OFORI ATTA

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## Education

### New York University

BS Computer Science with Applied Math (3.8/4.0)

Sep. 2019 – May 2023

Abu Dhabi, UAE

## Relevant Coursework

- Algorithm Analysis
- Computer Systems Org
- Database Systems
- Software Engineering
- Web Development
- Intro to Data Science
- Operating Systems
- Linear Algebra

## Technical Skills

**Languages:** C/C++, Python, Java, HTML/CSS, JavaScript, Dart, Swift, C#, Powershell, Assembly

**Developer Tools:** VS Code, Android Studio, Xcode, GitHub, PostgreSQL

**Technologies/Frameworks:** Flutter, NodeJS+Express, WordPress, ReactJS, NextJS, Firebase, MongoDB, SQL

## Relevant Experience

### Microsoft

Software Engineer Intern

May 2022 – Present

Redmond, USA

- Run performance tests on the virtual and physical machines used to run the build processes of the team.
- Build a virtual machine provisioning system that scales in or out depending on demand using **PowerShell**.
- Run tests on the new system to ensure it is reliable and secure.

### NYU Abu Dhabi Access Center

Mobile App Developer

February 2022 – May 2022

Accra, Ghana

- Developed a **cross-platform** mobile app to be used for sending ocean turbidity measurements.
- Implemented an intuitive and simple user interface to enhance user experience.
- Implemented a feature that allows users to change app language to their preferred languages.
- Developed a web app to display the data collected by the app using the **EJS** templating engine.

### Ghana Tech Lab

Mobile App Developer Intern

June 2021 – August 2021

Accra, Ghana

- Developed the feedback portal of their digital training mobile platform for iOS/Android using **Dart** and the **Flutter** framework.
- Utilized **Android Studio** as a development environment in order to visualize the application in both iOS and Android.
- Utilized the MVC software architecture to separate UI and business logic.

### NYU Abu Dhabi Global Asia Department

Web Developer

October 2020 – May 2021

Abu Dhabi, UAE

- Designed and built department's websites from initial concept, site architecture and wireframes to finished deliverable with **WordPress**.
- Developed new intranet landing page for courses taught in the department.
- Managed the department's pages on the main NYU website.

## Projects

### Chameleon | ReactJS, MongoDB, Node+Express

- Co-Created a fully functional e-learning platform with an integrated IDE to help people easily learn programming.
- Used **MongoDB** as the database framework to store all the relevant data.
- Leveraged knowledge in in-built routing feature of **ReactJS** to create and access different pages and data.

## Activities / Volunteering

### Peer Tutoring

Volunteer Tutor

February 2022 - May 2022

New York University, Abu Dhabi

- Mentored students, answering any CS related questions and guiding them to complete their projects.