

CHINWE IBEGBU

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EDUCATION

Ashesi University
BSc. Computer Science
Cumulative GPA: 3.75/4.00

Berekuso, Eastern Region, Ghana
August 2018 - June 2023

ACHIEVEMENTS/AWARDS

Karam Scholar, Karam Foundation
Catalyst Foundation Scholar, Catalyst Foundation NY
Applied Methods and Research Experience, College of Wooster
Dean's List Honors, Ashesi University
Our Girls Our Future Fellow, Yielding Accomplished African Women (YaaW)

August 2021 - June 2023
June 2019 - August 2021
May 2021 - July 2021
August 2018 - December 2020
July 2020 - August 2020

RELEVANT COURSES & CERTIFICATIONS

Create a Back-End App with JavaScript Skill Path, [Codecademy](#)
Create a Front-End App with React Skill Path, [Codecademy](#)
React Learning Program, [Andela](#)
Learn Data Structures and Algorithms with Python Course, [Codecademy](#)

October 2023
October 2023
October 2023
July 2023

RELEVANT WORK EXPERIENCE

Major League Hacking - USA (Remote)
Software Engineering Fellow

February 2024 - May 2024

- Created a [color definition and color scheme specification system](#) for Rapid, an Open Source editor for OpenStreetMap maintained by Meta. Reduced the likelihood of errors and eased the process of defining additional color schemes by developing a string-to-HEX mapping system.
- Added [colorblind UI functionality](#) to Rapid, accounting for approximately 97% of color vision deficiencies. Conducted theoretical analyses of existing color blindness resources and [collected empirical data](#) on rendered map colors to inform the creation of three (3) colorblind-friendly color schemes.

Line 45 - Ohio, USA (Remote)
Software Development Intern

May 2021 - July 2021

- Increased the line coverage of Line 45's asset management [GraphQL](#) API, Bensis, from 68% to 87%. Collaborated remotely with two (2) College of Wooster students to develop an automated integration test suite for the API using [pytest](#). The test suite handled queries (with and without query parameters) and mutations, improving on tests written prior to our internship and coding others from scratch.
- Researched, tested, and documented two approaches to incorporating unit testing into the test suite using [mock](#), [mock-alchemy](#), and [SQLAlchemy](#).

PROJECTS

[Ashesi CV Builder](#)

October 2023 - November 2023

- Designed and built a cloud-based CV manager web app to replace the error-prone and cumbersome MS Word template provided by Ashesi University.
- The web app allows students to create, edit, live preview, and download CVs without thinking about formatting. It was designed with [Figma](#), uses a [Node.js](#) ([Express.js](#)) backend, which interacts with a [PostgreSQL](#) database and a [React.js](#) frontend, and is currently deployed on [Render](#).

[Jammimg](#) - Spotify Playlist Maker

September 2023 - October 2023

- Created a single-page web app ([React.js](#)) that enables users to add multiple tracks at a time to a Spotify playlist, a feature missing in the official application.
- The web app, deployed on [Vercel](#), uses the Spotify Web API to retrieve tracks based on a search query and create a playlist with a provided name and the selected tracks.

[Apollo's Rhythm](#) - REST API

October 2021 - November 2021

- Developed a REST API for a fictional album store with 19 endpoints using [ASP.NET Core](#) and [Entity Framework](#).
- Tested, documented, and published the API with [Postman](#), including an integration test suite to facilitate continuous integration.

SKILLS

Programming Languages: Python, JavaScript, HTML, CSS, C#

Tools/Frameworks: Node.js (Express.js), React.js, Git, pytest, GraphQL, Postman, ASP.NET Core, Entity Framework

Databases: MySQL, PostgreSQL