

Chidubem Okem Ogbudibe

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EDUCATION

University of Toronto, Computer Science, Mathematics, and Statistics (Honours B.Sc.) **Sep. 2019 – Projected Jun. 2023**

- **Relevant Courses:** Software Design (*Java*), Data Structures and Algorithms (*C*), Software Tools and Systems (*C*)

LANGUAGES AND TECHNOLOGIES

- (*Proficient*) Java, C, C#, Python, HTML5/CSS3, Lua, JavaScript, SQL (*Prior Experience*) Kotlin, Ruby, C++
- (*Proficient*) React, Gatsby.js, Express/Node.js, Git, Python Flask, SASS, ASP.NET (*Prior Experience*) Android Studio, Unity3D

SOFTWARE PROJECTS

HEROES: Infinite – ROBLOX Game, <https://www.roblox.com/games/112917475/> **March 2020 – Present**

- Created an action/fighting game with nearly 30 million visitors to date using Roblox **Lua**, Rojo, and Github version control. Recent code refactoring increased daily players from 50 to 1000 (peak).
- Designed a complex producer/consumer back-end with a modern, research-driven UI

CSCB63 Course Website, <https://github.com/Dubem101/CSCB20-Assignment-3> **March 2021 – April 2021**

- Used **Python** Flask, **SQLite**, and **JavaScript** to create a web application for the CSCB63 course, enabling students and instructors to easily login, view/edit grades, and submit/view feedback.

CookingU – HTV4 Hackathon Project, <https://github.com/l3n0ire/CookingU> **February 2020**

- Developed website filled with recipes aimed at college students, to encourage them to live a healthier lifestyle
- Created a voice-activated chatbot, “Cooking Ma”, to verbally respond and guide students through a recipe as they cook, displaying recipe information and cooking technique videos.
- Utilized **Dialogflow API**, **Node.js**, **Express.js**, **React**, **Spoonacular API**, **React Voice Input**

Migrant Moments Project, <https://immigrant-success-canada.netlify.app/> **Oct. 2019 – January 2020**

- Used **React** to develop “Success Stories of New Canadians” website to help share the stories of Canadian immigrants
- Implemented the programmatically generated blog pages through **Gatsby**, easily editable through NetlifyCMS
- Created a script to dynamically display the countries of the stories hosted on the site, using React Simple Maps plugin

EMPLOYMENT

Software Engineer Intern, Microsoft Corporation, Seattle (Work from home) **May 2021 – Aug 2021**

- Creating front end features for Microsoft Sports.

Explore Intern, Microsoft Corporation, Seattle (Work from home) **May 2020 – Aug 2020**

- Worked with two other interns to implement database quality assurance for Microsoft Sports using **C#** and Fluent Validation. Caught thousands of errors, leading to improved sports data accuracy on the front end.
- Developed an internal website to browse and view database errors using the **.NET MVC** framework. Individually improved internal website load speeds by over 50% by applying asynchronous programming.
- Completed entire design process for our data validation framework, including writing documentation, taking part in design reviews and bug bashes, and launching the website internally.

Industrial Trainee, Medallion Communications Ltd., Abuja **Summer 2019**

- Learned on the job about the basics of computer networking, fibre optics, and transmission media at an interconnection house for the largest telecom companies in Nigeria, including MTN and Airtel.
- Worked with other employees to setup servers and server racks, occasionally did reception