

# 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 (*Linux*)

## 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 a multi-platform 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 scalable, multi-threaded producer-consumer backend with a modern, mobile friendly 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 Group 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
- Individually 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 Group 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#**, **SQL** 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