

OLUWATOYIN BALOGUN

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toyinbalogun.github.io/My-Portfolio | <https://bit.ly/2XHM6Hp> | github.com/Toyinbalogun

Education and Training

Bachelor of Computer Science Major, Co-op Option

Sept 2017 – Present

Carleton University – Ottawa, ON

- Relevant Courses: Data Structures and Algorithms, Software Development, Discrete Mathematics, Intro to Software Engineering
- Expected Graduation: July 2022

Certificate in Full-stack Development: Web Development

Feb 2020 – April 2020

Carleton University Coding Bootcamp - Ottawa, ON

Availability

Available for 4 or 8 months beginning May 2021

Skills

- **Languages:** Python, C++, JavaScript, Java, HTML, CSS, C
- **Database:** SQLite, MySQL, MongoDB
- **Tools and Frameworks:** Express, Node.js, jQuery, AJAX, Handlebars, React, Jest, Git, Heroku Bootstrap, Pure.css, Materialize.css
- **Exposure:** UML Diagram, AWS, C#, Schema, Ruby on Rails, Github

Related Experience

Student Volunteer

Nov 2015 - Present

Boys and Girls Club Ottawa

- Conduct and organize Pygame workshops that teach the Introduction to Python and how to make simple games like snake and tennis.
- Supervise the organization and coordination of day-to-day camp activities for both volunteers and students.

Applied Projects

Flyfordable Web Application: *Pair-project (Backend)*

April 2020

- Implemented **Skypicker REST API** to fetch flight data in building an economy flight finder web application that provides users with cheap local and international flight information
- Integrated a currency conversion **Fixer.io API** to enable user access affordable flights in any currency
- Optimized **REST API** response by using gzip encoding, reducing web app data usage by about 70%

Transit-Me

Sept 2019

- Built a transit GUI application using **Java** to get around the O-Train Line-1 in Ottawa, Ontario, using **Java SE** to build a **JavaFx** Application
- Renders users input from various station options on comb-box menu in GUI application and fetches the distance and number of stops from user's location to destination
- Implemented basic JavaFx components and features like **Core, Layouts, Basic Controls, Container Controls** and **WebView**.

Employee Summary Chart

May 2020

- Designed an employee summary chart using **HMTL**, **CSS** and **JavaScript** that takes information about a company's employees and generates a webpage that displays summaries for each employee in the organization.
- Implemented **Jest** in running tests between identical employee id numbers or names so as to sort company members uniquely into a **MySQL** database.
- Used **Git** for source control and versioned project in **GitHub** open-source environment

Sorting Algorithm Visualizer

Sept 2020

- Designed a sorting algorithm GUI using **Python** and **Tkinter**, that allows users to interact with GUI in real-time by randomizing arrays into a bar chart and using different popular sorting algorithms techniques to sort through the array.
- Implemented the **Bubble Sort**, **Merge Sort** and **Quick Sort** algorithms to manage and organize data retrieved from the users input

School Record Data

October 2020

- Implemented using **C++** in **Object Oriented Programming design** to manage a school data of students, courses students have taken and the grades of taken courses
- Designed a **UML** class diagram to display the association between entity classes

Awards

Carleton University Entrance Scholarship

2017

Carleton University

- Entrance scholarship awarded based on outstanding GPA and community service

Organizations and Extra-Curricular Activities

Teaching with Toyin

2015 – Present

Educational YouTuber

- Educational YouTube channel that solves mathematical and arithmetical problems that is aimed at assisting fellow students with approaches to problem solving

Carleton Web Dev Club

2020 – Present

Developer and Mentor

- Organize web development workshops that focus on the fundamentals of web applications like **HTML**, **CSS**, **JavaScript** and introduction to web applications
- Tested and reported for bugs in DiscreteMath.ca, a **Ruby on Rails** web application for Carleton discrete math students to practice and solve problems for tests and exams

References available upon request