

ERHOWVOSERE OTUBU

Brampton, ON

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Education

Queen's University, Smith Engineering

Sept 2021 – Present

Bachelor of Applied Science - BASc Computer Engineering

Kingston, ON

- **Achievements:** Dean Scholars Distinction 2022/23 (CGPA: 3.69), Excellence Scholarship (Top 10% of admissions)
- **Relevant Courses:** Data Structures, Algorithms, OOP (Java), Database Management Systems, Operating Systems
- **Organizations:** QU National Society of Black Engineers (Marketing Lead), Onyx Scholar, HYVE (Co-Founder)

Experience

Queen's University Residence Life and Services

September 2023 – April 2024

Residence Don

Kingston, ON

- Provided comprehensive support to 28 first-year students, addressing their academic, emotional, and mental well-being
- Facilitated the development of a collaborative and inclusive community within the wing through targeted support and mentorship

Queen's University Black Youth in STEM

March 2023 – April 2024

Student Mentor

Kingston, ON

- Led youth sessions of up to 20+ elementary school students through interactive learning experiences by showcasing popular games like *Snake Game*, effectively illustrating how code drives engaging activities
- Achieved increased student engagement and participation through hands-on activities, resulting in improved comprehension of programming concepts

Projects

QUHyve (Student Business Directory) - Co-Founder | *WordPress, HTML/CSS*

April 2023 – Present

- **HYVE (quhyve.com)** is a social enterprise that connects the Queen's University minority community to student-led services catered to their needs
- As a co-founder and developer, we spearheaded the launch of quhyve.com, significantly enhancing Queen's student minority community engagement
- Drive \$15,000 in student service revenue and \$5,000 direct revenue in the first quarter, demonstrating business acumen

Scranton Spaces (Rental Website) | *HTML/CSS, PHP, MySQL, Apache, Visual Studio Code* | *GitHub*

April 2024

- Developed a multi-page web-based rental database interface, utilizing PHP for dynamic content generation compatible with various DBMS using MySQL (PDO)
- Ensured a professional and appealing visual design for the web application, enhancing user engagement by incorporating basic HTML and CSS to produce a clean layout
- Enhanced user engagement by implementing dynamic features that allowed rental groups to update preferences and view detailed listings, using PHP and HTML to streamline data display and interaction

Guessmaster (Android Application) | *Java, Android Studio, XML, Gradle* | *GitHub*

April 2023

- Designed and developed an interactive trivia mobile application, using Java and object-oriented programming principles within Android Studio
- Implemented an adaptive point system based on the complexity of guessing the respective entity's birthday, alongside an intuitive user interface using XML for enhanced engagement
- Utilized a hierarchical class structure to encompass different entities for a modular and flexible design

x-To-Speech (QHacks 23 Theme Prize Winners) | *Python, OpenCV, NumPy, PyCharm* | *Devpost*

January 2023

- Developed a computer vision system using Python and advanced neural networks like ResNet101 to convert images and videos into auditory descriptions, improving accessibility for sensory-impaired users
- Utilized machine learning models from the COCO dataset to achieve high accuracy in real-time object detection, optimizing frame-by-frame analysis for immediate auditory feedback on identified objects

Skills

Software: Java, Python, C, MySQL, MATLAB, Assembly, Verilog, VHDL, HTML, CSS, PHP, Arduino, CUDA, Git

Development Tools: Visual Studio Code, Android Studio, Eclipse, Git, JetBrains IDEs, Google Colab, Microsoft Office