

Michael Rabbai

(613) 266-4967
MICHAEL.RABBAI@GMAIL.COM

EDUCATION

Carleton University, Ottawa, ON

Bachelor of Computer Science Honours

2017 – 2021

- ▷ CGPA 3.9/4 (10.9/12.0)
- ▷ Dean's List, A.D. Dunton Scholarship (2018-2019)

TECHNICAL SKILLS

Python ●●●●●, C/C++ ●●●●○, Java ●●●●○, JavaScript ●●○○○, SQL ●●○○○
Unix, Windows, macOS, Git

EXPERIENCE

Software Developer

May 2019 – August 2019

Communications Research Centre Canada, Ottawa, ON

- ▷ Designed and programmed an **API** in **PYTHON** that utilized scripting, regular expressions, and file I/O to manipulate network simulation files by setting keyword values or deleting nodes
- ▷ Developed an **API** in **PYTHON** to automate the creation of network simulation scenario files that resulted in more than a 100% increase in the number of simulation files created
- ▷ Utilized the **MICROSOFT AZURE** and **AMAZON AWS** cloud services and virtual machines for all development
- ▷ Led a **GIT** and **GITHUB** tutorial to educate my team on how to use the tool as well as demonstrate the advantages of the tool
- ▷ Created associative **DOCUMENTATION** for all **API** purposes, procedures, functions, and outcomes
- ▷ Participated in **AGILE TEAM MEETINGS** to discuss development progression and future possibilities for current projects

Web Developer

June 2018 – August 2018

Department of National Defence, Ottawa, ON

- ▷ Collaborated in the development of a web information portal using **MICROSOFT SHAREPOINT** to organize data and improve efficiency of processing by using automation
- ▷ Developed a web information portal using **MICROSOFT SHAREPOINT** to present data to end-users in a structured form
- ▷ Modified a web information portal using **MICROSOFT SHAREPOINT** to centralize all divisional data and allow for simple updates and maintenance
- ▷ Reorganized **RELATIONAL DATA** in a **DATABASE** to promote data hierarchy and minimize manual changes in data by users

PROJECTS

Developer

cuHacking Web Application: Ensemble

February 2019 – February 2019

- ▷ Utilized the **Spotify API** and **JAVASCRIPT (node.js and express.js)** to create a web app that creates a new playlist based on the most popular genre from multiple users' submissions
- ▷ Worked with a 4-person team at cuHacking to create an idea, strategize a development plan, and program the project in a 24-hour time period

Back-End Developer

SCAPES IDE

October 2019 – December 2019

- ▷ Designed and programmed a syntax checker and logic validation function in **C++** (simulating a compiler's verification functionality) to ensure the correctness of a program
- ▷ Developed the functionality to execute a program regarding a specific programming language while outputting any specified information to a built-in terminal