

# Michael Rabbai

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## EDUCATION

**Carleton University**, Ottawa, ON  
*Honours Bachelor of Computer Science*

**September 2017 – December 2021**

- ▷ CGPA 4.0/4.0
- ▷ Dean's List, A.D. Dunton Scholarship (2017-2019)

## TECHNICAL SKILLS

JavaScript ●●●●○, React ●●●○, HTML ●●●○, CSS ●●●○, Python ●●●●○, Java ●●●●○  
macOS, Unix, Windows, Figma, Git, GitHub, Bitbucket, Agile Jira

## EXPERIENCE

**Front-End Developer Intern**  
*Ciena, Ottawa, ON*

**May 2020 – December 2020**

- ▷ Helped build a scalable web application using **JavaScript**, **Ember**, **HTML5**, **CSS3**, and **Handlebars** to display and monitor network information in a clear and concise manner
- ▷ Developed a custom analytics add-on (API) that tracks and displays data from a network element using **JavaScript**, **Ember**, **HTML5**, **CSS3**, and **Handlebars**
- ▷ Modified an existing codebase using **JavaScript** and **Handlebars** to improve the UX of displaying statistical data to users
- ▷ Created and modified automated unit, integration, and acceptance tests using the **Chai** and **Mocha JavaScript** libraries to properly and efficiently test code
- ▷ Followed the **agile** software development process to release high quality solutions in a timely manner

**Back-End Developer Intern**  
*Ciena, Ottawa, ON*

**January 2020 – April 2020**

- ▷ Developed solutions for a REST API using **Python** to monitor and display statistical network information
- ▷ Integrated new features that improved data processing by modifying existing **Python** code
- ▷ Improved automation and the quality of code being released by creating and modifying automated tests and Postman collections using **JavaScript**
- ▷ Followed an **agile** software development process to ensure high quality and quick delivery

**Software Developer Intern**

**May 2019 – August 2019**

*Communications Research Centre Canada, Ottawa, ON*

- ▷ Designed and implemented 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 the increase of simulation files by more than 100%
- ▷ Utilized the **Microsoft Azure** and **Amazon AWS** cloud services and virtual machines as part of the development environment
- ▷ Led a **Git** and **Github** workshop to educate my team on the usage of these tools as well as their advantages
- ▷ Created associative **Documentation** for all API purposes, procedures, functions, and outcomes

## EXTRA-CURRICULARS

**cuHacking**

**2019**

- ▷ Designed and developed a web application using **JavaScript**, **HTML5**, **CSS3**, and the Spotify API to create playlists based off of songs and playlists that users enter

**Canadian University Software Engineering Conference (CUSEC) 2018 – 2019**

- ▷ Participated in the Kinaxis **Git** workshop regarding the details of complex situations of branches, pull requests, and merging pull requests
- ▷ Attended the IBM **UI** and **UX** workshop discussing new concepts of **UI** development and structure