

Michael Rabbai

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AVAILABILITY

▷ Full-time employment beginning **January 2022**

EDUCATION

Carleton University, Ottawa, ON
Honours Bachelor of Computer Science

September 2017 – December 2021

- ▷ CGPA 4.0/4.0
- ▷ Dean's Honour List, A.D. Dunton Scholarship (2017-2019, 2021)

TECHNICAL SKILLS/TOOLS

React ●●●●○, React Native ●●●●○, Node.js ●●●○, JavaScript ●●●●○, HTML ●●●●○, CSS ●●●●○, Python ●●●●○, Java ●●●○, Redux, Firebase, MongoDB, Figma, Git, GitHub, Bitbucket, macOS, Unix, Windows, 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
Communications Research Centre Canada, Ottawa, ON

May 2019 – August 2019

- ▷ 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

PROJECTS/EXTRA-CURRICULARS

Loan Logger

2021

- ▷ Designed and developed an Android and iOS mobile application to track loaned money between contacts using **Figma**, **React Native**, **Redux** and **Firebase**
- ▷ Fetch and store users, user contacts, and a user's transactions to/from **Firebase** to ensure data persistence across devices
- ▷ Sign up and login users using email and password authentication from **Firebase**

cuHacking

2019

- ▷ Created and implemented a web application using **JavaScript**, **HTML5**, **CSS3**, and the Spotify API to create playlists based off of songs and playlists that users have entered