

Michael Rabbai

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EDUCATION

Carleton University, Ottawa, ON

Bachelor of Computer Science Honours

2017 – 2021

- ▷ CGPA 4.0/4.0 (11.0/12.0)
- ▷ Dean's List, A.D. Dunton Scholarship (2018-2020)

TECHNICAL SKILLS

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

EXPERIENCE

Front-End Developer

May 2020 – Present

Ciena, Ottawa, ON

- ▷ Helped build a scalable web application using **JAVASCRIPT**, **EMBERJS**, **HTML5**, **CSS3**, and **HANDLEBARS** to display and monitor network information in a clear and concise manner
- ▷ Developed a custom analytics add-on (API) that tracked and displayed data from a network element using **JAVASCRIPT**, **EMBERJS**, **HTML5**, **CSS3**, and **HANDLEBARS**
- ▷ Modified an existing codebase using **JAVASCRIPT** and **HANDLEBARS** to improve the UX of numbers being displayed to end-users in a web app
- ▷ 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

January 2020 – April 2020

Ciena, Ottawa, ON

- ▷ Developed solutions for the backend of a scalable web application using **PYTHON** to monitor and display network information from network elements
- ▷ Modified existing **PYTHON** code to integrate new features into an existing system that allowed for improved data processing
- ▷ Created and modified automated tests and Postman collections using **JAVASCRIPT** to improve automation and the quality of code being released for a given version of a system
- ▷ Followed an **AGILE** software development process to ensure high quality and quick delivery

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

PROJECTS

Front-End Developer

Portfolio Website – michaelrabbai.com

June 2020 – September 2020

- ▷ Designed and developed a portfolio website using **REACT**, **JAVASCRIPT**, **HTML5**, and **CSS3** to demonstrate my front-end skills and centralize all contact information
- ▷ Utilized **FIGMA** to design a functional prototype version of the website to plan the UI and UX before programming