

MARC-OLIVIER FORTIN

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PROJECTS

MindSpace

ConUHacks 2020

- Co-developed a simple workspace tool to **improve** self-reflection and work related stress
- Implemented **Shutterstock's API** to retrieve keyword images
- **Led** user-interface design and front-end development of the **Angular** application

Biquadris

UWaterloo - CS 246

- Co-developed the **Tetris** game with many additional features
- Implemented the program utilizing **object-oriented programming patterns** in **C++**
- **Scored 103%** on this final project by achieving all requirements and implementing **bonus** features

E-motion

Hack The North 2019

- Co-developed a **smart diary** that gives users data-driven insights into their mental well being
- Implemented **machine learning sentimental analysis** to track **100%** of journal entries using **Python** and **Flask**
- **Spearheaded** the front-end development of the **React** based application

EXPERIENCE

Innovation & Design Specialist

Via Rail Canada

January 2020 - April 2020 Montreal, Canada

- **Independently** developed multiple applications to facilitate on-board processes utilizing Microsoft's Power Platform, one which saved the company around **\$200,000** per day
- Interacted with **real time data** and managed **large databases** with **SQL Server** to develop the technologies
- Built **insightful scripts** including a quality trip tracking algorithm and security footage analysis using **JavaScript**, **Python** and Microsoft's cloud-based **Computer Vision**

Web Developer Intern

Finlogik (Canaccord Genuity Group Company)

May 2019 - August 2019 Montreal, Canada

- Codeveloped the front-end of an **Angular** based easy-to-use **investment application** for users to manage financial portfolios
- **Independently** developed a user-friendly administrative web application to maintain the previously developed software
- Both applications built **improved the user experience** with Finlogik's products and the speed of operations

SKILLS

Languages:

C++

C

TypeScript

SQL

Python

HTML

CSS

R

Scheme/Racket

Technologies:

Bash

Angular

React

Git

Jira

MS Power Platform

Figma

MS Suite

EDUCATION

Candidate for Bachelor of Honours Computer Science

University of Waterloo

2018 - 2023 Waterloo, Ontario

- **GPA: 3.86/4**
- University of Waterloo Merit Scholarship
- Scored **110%** by surpassing expectations on a term project in The Physics of How Things Work

Natural Sciences - CEGEP

Collège Jean-de-Brébeuf

2017-2018 Montréal, Québec

- **R Score: 34.696**
- Calculus 1 for Honours Mathematics (**93%**)
- Calculus 2 for Honours Mathematics (**96%**)

LANGUAGES

English

French

Spanish

EXTRACURRICULARS

- University of Waterloo's **Fintech** club (2018-2019)
- University of Waterloo's **Blockchain** club (2018-2019)
- Won **1st** place, outdoor soccer provincial championship - Quebec
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