

Louis Barrette-Vanasse

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EDUCATION

B.SE. Software Engineering

Sep 2018 - Dec 2021

McGill University, | Montreal, Canada | GPA: 3.91/4.00

Computer Science & Mathematics

Sep 2016 - Jun 2018

Champlain Regional College, Saint-Lambert, Canada 36.3 R score

WORK EXPERIENCE

Full Stack Developer Intern

May 2020 - Aug 2020

National Bank, Montreal, Canada

- Gained hands-on software development experience by contributing to building a financial planning website
- Created components & pages working closely with the design team and configured the API calls in React
- Created REST endpoints, and modified the domain model according to business needs in Spring Boot
- Worked with the Atlassian tools suite (Jira, BitBucket, Confluence)
- Actively participated in all Agile ceremonies

Full Stack Developer Intern

May 2019 - Aug 2019

CGI, Montreal, Canada

- Built a collaborative music streaming website from the ground up
- Implemented the fully-working backend in Spring Boot alone, and incorporated 2FA and endpoint authentication
- Contributed to making the frontend in Angular

Grader and Mentor (ECSE 321 - Introduction to Software Engineering)

Sep 2020 - Dec 2020

McGill University, Montreal, Canada

- Will be grading students' Spring Boot & frontend projects as well as their quizzes
- Will help them debug their code and assist them in designing their solution architecture

PROJECTS

Artif.ai *Python, Node.js, React*

artif.ai

An e-commerce website selling AI-generated art

Alcoholometer *Flutter*

github.com/Louismousine/Alcoholometer

A mobile application that promotes responsible drinking by calculating BAC levels, warning users of side effects of each BAC level and estimating the time at which they will be sober again.

lexia *JavaScript*

github.com/Louismousine/lexia

Chrome extension to help dyslexic users browse the web.

McGill Course Enroller *Node.js, GCP, Puppeteer*

github.com/Louismousine/mcgill-autoregistration

A microservice that automatically enrolls one in a class when a seat is liberated.

Pet adoption website *Java, Spring Boot, Heroku, React*

github.com/Louismousine/pet-pawlace

Class project comprising of a backend with authentication features and a frontend - visit it here: pet-pawlace.herokuapp.com

Brick Breaker JavaFX, CSSgithub.com/Louismousine/Brick-Breaker-ECSE223

Class project requiring us to design a domain model and use the MVC pattern to implement a Brick Breaker clone - our project was voted best project of the class

Circuit Circus JavaFXgithub.com/Louismousine/Circuit-Circus

Circuit simulator applet made in JavaFX. Users can build circuits using wires, ground, resistors, voltage sources, 2 and 3 gates switches, transistors, diodes, inductors and capacitors. Voted best project by classmates

Lego Mindstorms Robot - Project Manager Java

As part of the Design Principles and Methods class, I managed a team of 6 students to build an autonomous Lego robot capable of moving from point A to point B while dodging obstacles and catapulting balls into bins.

Handwritten Digit Recognition (The machine learning "Hello World!") Python

Using the MNIST handwritten dataset, I trained a machine learning model to recognize handwritten digits with an accuracy of 95%. That is not very impressive, but I am planning on getting more ML experience soon!

SKILLS

Programming Software Java, JavaScript, React, Typescript, Angular, HTML, CSS, C, React Native, Ocaml

Development Tools Git, Atlassian tools (Jira, Confluence, BitBucket), Jenkins & Travis CI

Soft Skills Written & oral communication, Teamwork, Agile methodologies, Project management

AWARDS

1st place at Tech Games Feb 2020

Competitive Programming McGill

Winner of the hackathon

In-course scholarship 2020

McGill

Granted to the top 250 students in academic standing in engineering

Dean's List 2020

McGill

Honor received by students among the top 10% in academic standard

Narcissa Farand Entrance Scholarship Sep 2018

McGill

Awarded to students coming from CEGEP whose R score is higher than 36.25

Bourse D'Excellence Desjardins Jun 2018

Champlain Regional College

Awarded to the student with the highest grades in a program

Dean's List 2018

Champlain Regional College

Honor received by students among the top 10% in academic standard

Hackathons & CS Competitions

HackInstead Aug 2020**Tech Games – 1st place Mar 2020****Codejam Nov 2019****Banque Nationale Hackathon for Social Good – 3rd place Jul 2019**