

# Louis Barrette-Vanasse

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[github.com/Louismousine](https://github.com/Louismousine)

[louisbarrettevanasse.netlify.com](https://louisbarrettevanasse.netlify.com)

## EDUCATION

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### 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

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### 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

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

[artif.ai](https://artif.ai)

An e-commerce website selling AI-generated art

### Alcoholometer Flutter

[github.com/Louismousine/Alcoholometer](https://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](https://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](https://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](https://github.com/Louismousine/pet-pawlace)

Class project comprising of a backend with authentication features and a frontend - visit it here: [pet-pawlace.herokuapp.com](https://pet-pawlace.herokuapp.com)

**Brick Breaker JavaFX, CSS**[github.com/Louismousine/Brick-Breaker-ECSE223](https://github.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 JavaFX**[github.com/Louismousine/Circuit-Circus](https://github.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

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*Languages*      Java, JavaScript, React, Typescript, Angular, HTML, CSS, C, React Native, Ocaml

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

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

*Interests*        Movies, Hockey, Working out, Video games

## AWARDS

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**Tomlinson Engagement Award for Mentoring Fall 2020**

McGill

Awarded for being a mentor for the *Introduction to Software Engineering* course

**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 2017-2018**

Champlain Regional College

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

## Hackathons & CS Competitions

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