Louis Barrette-Vanasse

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EDUCATION

B.SE. Software Engineering   `Sep 2018 - Dec 2021`

McGill University, | Montreal, Canada | GPA: 3.9/4.00

Computer Science & Mathematics   `Sep 2016 - Jun 2018`

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

WORK EXPERIENCE

Full Stack Developer Intern *Java, React*   `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 *Java, Angular*   `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
- Grade students' Spring Boot & frontend projects as well as their quizzes
- 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, CSS*   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

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

Predicting covid hospitalization cases Google search trends *Python*

Using the Google search trends of symptoms by states and the hospitalization case by states dataset, I implemented a KNN model to predict the number of new hospitalization cases given the volume of Google searches by symptom.

SKILLS

Languages	Java, Python & ML, JavaScript, React, Typescript, Angular, HTML, CSS, C
Tools	Git, Atlassian tools (Jira, Confluence, BitBucket), Jenkins & Travis CI
Soft Skills	Written & oral communication, Teamwork, Agile methodologies, Project management
Knowledge	Machine learning, backend development, frontend development, algorithms, data structures

AWARDS

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 & Competitions

BOLT Case Comp – 4th place *Sep 2020*

Tech Games – 1st place *Mar 2020*

Banque Nationale Hackathon for Social Good – 3rd place *Jul 2019*

HackInstead *Aug 2020*

Codejam *Nov 2019*