

# MAXIME LAROCHE

Montréal, Québec

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## EDUCATION

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### **Masters of Software Engineering**

2020 - 2023

Polytechnique Montréal

Focus on artificial intelligence and data science

### **Bachelor of Software Engineering**

2020 - 2023

Polytechnique Montréal

GPA : 3,36      Excellence scholarship received at admission.

## PROJECTS

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### **Sentiment analysis on american politics**

2023

- Collaboration with a team of 5 to implement a model that can classify opinions by political party
- Use of transformers to classify text
- Develop an aggregator to be able get the overall opinion of american twitter users
- Use of linear regression to determine most important keywords

### **Automatic translator**

2022

- Implementation of a transformer to perform automatic english to sparql translation

## EXPERIENCE

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### **Full stack engineer**

May - August 2022

*Morgan Stanley*

- Design and implementation of a website + back end server using react and spring boot.
- Database deployments based on liquibase
- writing end to end and unit tests

### **Service engineering**

January - August 2020

*Bombardier*

- Design of data collection and analyzing software made to optimize workflows within the company.
- Learning a new language (VBA) on the spot
- Project made with iterative design
- Ground support equipment design.

## GENERAL KNOWLEDGE

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### **Programming languages**

C++, Java, Python

### **Languages**

French and English