

MAXIME LAROCHE

Montréal, Québec

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EDUCATION

Polytechnique Montreal

August 2018 - May 2022

Bachelor of Software Engineering.

GPA : 3,4 Excellence scholarship received at admission.

Was in electrical engineering before fall 2020 and changed because I am interested in artificial intelligence

PROJECTS

Media control system

Fall 2019

- Carry multiple audio signals, as well as state switches using a single wire to carry data.
- AM modulation used.
- Design of filters, amplification circuits, modulators.

AM radio

Winter 2019

- Design in collaboration with another student of an antenna and a variable capacitor to capture frequencies from 540 - 1600 kHz.
- Good sound quality.

Roulette game

Automne 2018

- Collaborative design with a team of five people to realize an electronic roulette game.
- Cost analysis.
- Practicability studies to compare multiple designs.

EXPERIENCE

Service engineering

January - August 2020

Bombardier

- Ground support equipment design.
- Company management software design in VBA.

Assistant researcher in nodal geometry

January - June 2018

Ahuntsic College, Montreal

- Test design and preparation for the researcher.
- Report results to the researcher.
- Part design using a 3D printer.

GENERAL KNOWLEDGE

Programming languages

C++, Python, Matlab, Java

Analog and logic gate circuit design

Psoc Programmer, LtSpice , PSpice

General tools

MS Office, Latex

Languages

French and english