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.

Roulette game   Fall 2018
· Collaborative design with a team of five people to realize an electronic roulette game.
· Cost analysis.
· Practicability studies to compare multiple designs.

EXPERIENCE

Software / Service engineering   January - August 2020
Bombardier
· Ground support equipment design.
· Design and implementation of data collection and analysing software to optimize workflows within the
company.

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
General tools   MS Office, Latex
Languages   French and english