MAXIME LAROCHE

Montréal, Québec

(514) 348 - 0345 ⋄ Maxime-1.Laroche@polymtl.ca

EDUCATION

Bachelor of Software Engineering *2020 - 2023*
Polytechnique Montreal
GPA : 3,4   Excellence scholarship received at admission.
Added algorithms courses in computer engineering due to my interest in artificial intelligence.

Bachelor of Electrical Engineering *2018 - 2019*
Polytechnique Montreal
Excellence scholarship received at admission.
Changed to software engineering due to changed interests

PROJECTS

Autonomous Car 2021
· Little car that can navigate in its environnment using ATmega324PA microprocessor
· La voiture analyse son environnement grâce à des capteurs ultrason et peut ainsi éviter des obstacles et changer de chemin.
· Use of Ultrasound sensors to make sense of obstacles
· Project realised with C++
· management of the team to ensure good collaboration and to make sure due dates are respected

TCP File Server 2021
· Design of a cloud local network cloud storage application using java
· Made to share large files between computers without having to use up limited bandwidth

EXPERIENCE

Service engineering January - August 2020
Bombardier
· Design of data collection and analysing software made to optimise workflows within the company.
· Learning a new language (VBA) on the spot
· Project made with iterative design
· Ground support equipment design.

Assistant researcher in nodal geometry January - June 2018
Ahuntsic College, Montreal
· Test design and preparation to either prove of disprove theories elleborated by the researcher.
· Report results to the researcher.
· Part design using a 3D printer.

GENERAL KNOWLEDGE

Programming languages	C++, Java, Python, Matlab
General tools	Git, MS Office, Latex
Languages	French and english