

William Scullion

✉ williamscullion@gmail.com | ☎ (819) 993-4617 | 📍 Québec, Québec, Canada | 🌐 <https://github.com/scullionw>

Education

Université de Sherbrooke

B.S. IN COMPUTER ENGINEERING

GPA: 3.99 / 4.3

Sherbrooke, Québec

Sep 2016 – Dec 2019

Université de Sherbrooke

STUDIES IN MECHANICAL ENGINEERING (5/8 SEMESTERS)

GPA: 4.00 / 4.3

Sherbrooke, Québec

Sep 2013 – Dec 2015

EPF École d'ingénieurs

EXCHANGE YEAR IN MECHANICAL ENGINEERING

Paris, France

Sep 2014 – Sep 2015

Skills

Languages: Rust, Python, C, C++, Javascript, Swift, MATLAB, Java, VHDL, LaTeX, French (native), English

Technologies: Docker, React, PyTorch, iOS

Projects

Karting Pace

HIGH PRECISION PORTABLE TELEMETRY SYSTEM FOR RACE TRACKS

iOS, Swift, React, Rust, C, RTK

FastAI Deep Learning Course

Python, PyTorch

SimMines

DEVELOPMENT OF FLIGHT CONTROL INTERFACE FOR MINING DRONE

Unity, ROS

Andrew Ng Machine Learning Course

Python, MATLAB

Nand2Tetris

BUILT A SIMULATED COMPUTER FROM THE GROUND UP

Digital Logic, Assembly, Compilers

Formula SAE Electric

SUSPENSION TEAM (2013-2014) - NUMERICAL MODELS FOR SUSPENSION GEOMETRY OPTIMISATION

MATLAB, Solidworks

<https://www.facebook.com/FSSRacing>

Experience

Groupe d'Acoustique de l'UdeS (GAUS)

APPLIED ACOUSTICS RESEARCH INTERN

- Predicted perceived sound quality of recreational vehicles using machine learning models on extracted features from recordings
- Frequency equalization of binaural sound reproduction setup
- Development of A/B test interface for sound quality study

Sherbrooke, Québec

Jan 2015 – Apr 2015

Bombardier Recreational Products

R&D ENGINEERING INTERN FOR CAN-AM SPYDER

- Responsible for carrying out engineering tests for Can-Am Spyder F3 prototype
- Design and FEA of test parts using CATIA V5

Valcourt, Québec

May 2014 – Aug 2014

Awards

2014-2019 **Excellence awards**, Received every year at the student achievement awards ceremony

Université de

Sherbrooke

2014-2015 **Excellence scholarship**, Foreign exchange year

MEES