

Education

- **Concordia University** Montréal, QC
Independent Student January 2018 to Present
- **École de Technologie Supérieure** Montréal, QC
Bachelor degree of Engineering in Information Technology 2015 to 2017
 - Completed 45 credits
- **École de Technologie Supérieure** Montréal, QC
Bachelor degree of Engineering in Automated Production 2013 to 2015
 - Completed 32 credits
- **CCNB - Bathurst** Bathurst, NB
Technologie du Génie Électronique 2011 to 2013

Work Experience

- **Clearpath Robotics** Kitchener, ON
Product Application Developer December 2018 to Present
 - Developpement of a web application frontend to interact with a fleet of robots (React and JavaScript)
 - Development of a web-based ROS node to control a robot over REST and WebSocket
- **Savoir-Faire Linux** Montréal, QC
Free Software Consultant July 2018 to December 2018
 - Developpement of web application in Django and Node.js
 - Developpement of free software tool in python
- **LBRY inc.** Manchester, NH
Junior Web Engineer January 2018 to July 2018
 - Development and maintenance of the lbry.io website
 - Development of a Back-End API in Go
 - Development of web applications in Go, Node.js, PHP and Python
- **Lockbird inc.** Montréal, QC
RnD Internship August 2017 to November 2017
 - Internship to continue the development of the laser turret software and hardware
 - Developpement of the Onboard Control Panel
- **Lockbird inc.** Montréal, QC
Software and Hardware consultant March 2017 to August 2017
 - Hardware and Software development of the first laser turret prototype for bird management

- **Savoir-Faire Linux** Montréal, QC
Django developer April 2016 to August 2016
 - Django developer for the Sous-Chef community project for the Santropol-Roulant
 - Engaging the Open Source community to contribute on the project
 - Sous-Chef source code is available on github (<https://github.com/savoirfairelinux/sous-chef>)
- **Pratt & Whitney Canada** Longueuil, QC
Advance Quality Assurance Intern January 2014 to April 2014
 - Analysing aircraft engine parts with Non-Destructive testing
 - Investigating failure rate and condition

Student Clubs

- **Walking Machine** Montréal, QC
Lead software developer September 2016 to December 2017
 - Student club building a Human Assistance Robot for the RoboCup@Home competition
 - Software team leader
 - Developed multiple Image Processing and Navigation Packages for ROS
 - Implementation of a ROS package for Gender Recognition using CNN
 - Implementation of multiple packages based on Research Papers
- **Club Conjure** Montréal, QC
Game Programmer April 2016 to December 2016
 - Participated in multiple Game Jam
 - Creation of a homebrew arcade cabinet
- **Club Capra** Montréal, QC
Electrical and Software team member November 2015 to September 2016
 - Student club building an autonomous ground vehicle
 - Conception of a power delivery system for the robot
 - Work on developing a motion controller in ROS for the robot
 - Diagnostic of electrical and software failure
- **BajaETS** Montréal, QC
Electrical team member September 2013 to November 2015
 - Developed a data acquisition device for the vehicle

Volunteer Work

- **RoboCup Montréal 2018** Montréal, QC
Major LOC Chair July 2017 to July 2018
 - Part of the organising committee of the biggest robotic competition in the world
 - Responsible of the @Home, @Work, RoboCup Logistics, and Simulation
- **RoboCup@Home**
OC Member July 2018 to Present
 - Part of the organising committee for the RoboCup@Home league

Skills

- **Programming Language:** Bash, C++, Go, JavaScript, Node.js, PHP, Python, LaTeX
- **Software:** Altium, Ansible, Atom, Django, Docker, Emacs, Git, Linux, MacOS, OpenCV, ROS, Vim

Free and Open Source Software Contribution

- Sous-Chef
 - Web Application to help meal-on-wheels organisation to organise meals and deliver them to the clients.
 - Source Code: <https://github.com/savoirfairelinux/sous-chef>
- SFLvault and SFLvault server
 - Working on the redesign of the sfl vault networked credentials store and authentication manager
 - Source Code:
 - * Client Source Code
 - * Server Source Code
- For more contribution to Free and Open Source software please look at my github profile

Conference

- Challenges surrounding autonomous service robots
 - Presented at LIVIA on December 6th 2017
 - Slides
- Walking Machine
 - Presented at École de Technologie Supérieure on February 16th 2017