

## 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

- **Savoir-Faire Linux** Montréal, QC  
*Free Software Consultant* July 2018 to Present
  - 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
  - Developement 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**

- *Advance Quality Assurance Intern*

Longueuil, QC

*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:** 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 6<sup>th</sup> 2017
  - Slides
- Walking Machine
  - Presented at École de Technologie Supérieure on February 16<sup>th</sup> 2017