

## Education

- **Concordia University** Montréal, QC  
*Independent Student* January 2018 to December 2018
- **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

- **Hekaton Studio** Kitchener, ON  
*Chief Technology Officer* April 2019 to Present
  - Leading a team of software developer with their day to day task
  - Designing and developping state of the art web application for a diverse group of clients
  - Supporting production and development infrastructure
  - Preparation of budget for Research and Developpement project
- **Clearpath Robotics** Kitchener, ON  
*Product Application Developer* December 2018 to July 2019
  - 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
- 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** 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 vehicule
  - 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  
*July 2017 to July 2018*

*Major LOC Chair*

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