**PROFILE**

Has a curious mind that is always looking for the latest technology to discover. Works autonomously, is organized and communicates clearly with team and supervisors to achieve common goals. Self taught and demonstrates skills with various technologies such as Docker, Kubernetes, Raspberry Pi, React, Node and Python through different projects and online classes outside of the classroom.

**SKILLS**

Coding: JavaScript, Python, Java, C++, HTML, CSS, PHP

Technologies/Frameworks: Raspberry Pi, jQuery, Git, ReactJS, Docker, Kubernetes, NodeJS

**PROJECTS**

[**Lab Finder**](http://www.patrickleduc.ca) **Tool**

Web Application developed for CAE Inc. to recommend the best lab for a simulator issue. Frontend written with jQuery, Bootstrap backend written in PHP connected to a MySQL database.

[**Raspberry**](http://www.patrickleduc.ca) **Pi k3s Cluster**

A 4 Pi lightweight Kubernetes Cluster built to host my personal Web Applications. Inspired from r/homelab, a community for techies and sysadmins to share their projects.

[**www.patrickleduc.ca**](http://www.patrickleduc.ca)

Personal website built with React and Node deployed on the Cloud in a Docker container.

**Risk (in progress)**

Building a console application version of the game Risk in C++ with Visual Studio. Collaborating with teammates to complete the project.

**E-Commerce Web Application (in progress)**

Building a functional E-C web application with a team of 10 students. Technology used: React, Node. Writing various reports explaining technology and design choices.

**EXPERIENCE**

**CAE Inc.**, Montreal

Intern, Avionics Systems Specialist (May – August 2019)

* Developed and released an internal Web Application to assist Engineers with finding the correct lab by matching certain simulator specifications
* Retrieved missing information for a database with web scraping, extracted keywords with regular expressions and organized the new database for future use
* Worked with supervisor, mentor and other interns to decide design choices and ensure best practices, scrum meetings twice a week

**Canadian Armed Forces Reserves**, Montreal

Piper (September 2016 – Present)

* Completed the Basic Military Qualification of the Canadian Armed Forces
* Learned how to deal with stressful situations, lack of sleep and extreme attention to detail
* Played in a military band which requires extreme teamwork and musicality

**West Island Community Shares**, Pointe Claire

Marketing and Communications Assistant (May - September 2018)

* Automated social media accounts and wrote various proposals resulting in large corporate donations over $50,000
* Provided IT support, taught employees how to use different software
* Worked in a small team, to interview and collect information about different charities

**EDUCATION**

Concordia University, Bachelor of Computer Science (Graduating December 2020)

John Abbott College, DEC in Commerce

Loyola High School

**VOLUNTEER EXPERIENCE**

**McHacks, McGill Hackathon** (2019 – Present)

**Thoracic Surgery Research Foundation of Montreal** (2016 – Present)

**Glover Family Chari-Tea Fundraiser** (2018 – Present)

**West Island Community Shares Community Breakfast** (2018 – Present)

**AWARDS**

**St. Andrews Society of Montreal**, The Keith Radley Hutchison Award 2018

The award shall be given to a piper at the Black Watch Royal Highland Regiment of Montreal, who Possesses exceptional piping skills and who possesses an excellent character.

**LANGUAGES**

English, French

**References available on request.**