

PIERRE-LUC THÉRIAULT

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EDUCATION

Bachelor of Engineering in Engineering Physics École Polytechnique de Montréal

January 2017 - Now Montréal, Canada

- Global GPA of 3.98/4.00
- Polytechnique Foundation Admission Scholarship
- Thermodynamics Research Project: Comparison of Heat Transfer Fluids in Nuclear Reactor
- Analytical Mechanics Research Project: Mathematical Modelling of Atmospheric Phenomena

WORK EXPERIENCE

Research Intern - Material Science Laboratory for Nanostructured and Molecular Photonics

May 2019 - August 2019 Montréal, Canada

- NSERC Undergraduate Student Research Awards
- Presenting theoretical and experimental aspects of the experiments
- Collaborating with colleagues on different research projects
- Writing physical system simulations using Python and high level techniques such as parallel computing

Co-Op Student - Cybersecurity

Government of Canada

May 2018 - August 2018 Ottawa, Canada

- Editing reports intended for IT security managers across Government of Canada's Departments in both French and English
- Prototyping of automation tools for analysis and reporting
- Performing statistical analysis on cyberdefense data
- Testing and evaluating different report automation tools

Data Analysis Intern - Cegep Capstone Project Heddoko

September 2016 - December 2016 Montréal, Canada

- Writing Python scripts for data visualization
- Writing technical reports about mathematical tools that describe orientation in space (quaternions, Euler angles, etc.)
- Characterizing the behavior of several position sensors





Professional Athlete - Table Tennis

Table Tennis Canada

2010 - 2016 International

- Representing the Canadian team in several major events such as the World Championship, Panamerican Games, World Cup, etc.
- Representing professional teams in different European leagues
- Following a rigorous training program (>30 hours per week)
- Travelling in more than 30 countries and living in Europe for 5 years
- Best results:
 - 5 National titles in Singles
 - Bronze medal at the 2015 Panamerican Games in the team events

SKILLS

-  Data Analysis
-  Problem Solving
-  Modelling
-  Communication

LANGUAGES

French 
English 

PROGRAMMING

Python 
Matlab 
C 

EXTRACURRICULAR

Vice President - Quebec Table Tennis Federation

June 2018 - Now

- Leading a committee in charge of the athletes selection policies
- Making decisions about the Federation's priorities and financial commitments
- Producing recommendations about the High Performance Program

Athletes Representative - Table Tennis Canada

2015- 2018

- Reporting on the challenges faced by the athletes
- Leading a committee that reviews the competitions system
- Mediating conflicts between athletes and Table Tennis Canada

Personnal Electronics Projects

2006 - Now

- Automatic temperature controller for passive cooling using an Arduino
- Fully concealed motion detector using capacitive sensing

REFERENCES

Available upon request