

Louis Primeau

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Nationality

Citizenship: US, Canada

Career Goals

Education

- 2018– **Undergraduate**, *University of Toronto*, Toronto, ON CA, -.
Major: Engineering Science, cGPA: 3.94
- 2014–2018 **High School**, *Orange County School of the Arts*, Santa Ana, CA USA, -.
Creative Writing Conservatory

Work Experience

- 2019– Undergraduate Research Assistant, Intelligent Microsensory Systems Lab. The project goal is to create a memristive crossbar, an analog matrix multiplication chip. I am working on the interface to the crossbar and in-hardware processing, involving coding in Verilog and C for Microblaze.
- 2019 Data Science Intern, EATLAB, a startup working in machine learning for restaurant business analytics. Internship worked specifically in video processing and feature extraction, such as object detection and human pose estimation. I used Python, Pytorch, C, and various freely available pretrained nets.
- 2018 Math Instructor, All-Girls Math League funded by the Dragon Kim Foundation. I taught introductory combinatorics.

Awards

- 2019 ESROP-global recipient, placed in Thailand in association with King Mongkut's University of Technology Thonburi (KMUTT).
- 2018–2019 University of Toronto Scholar
- 2018 California State Science Olympiad (CSSO): 3rd: Remote Sensing
- 2017 CSSO: 1st: Hovercraft; 2nd: Fermi Questions; 5th: Electric Vehicle
- 2015–2018 Regional Science Olympiad Awards

Extracurriculars

- 2019 Vice President of Data Science Toronto Club, managing finances, helping organize club events, recruiting, and coming up with interesting data science problems for club members.

Computer skills

Advanced	Python, Pandas Arduino C, used Nanos, Unos, 101s, Dues, several specific sensor libraries, developed drone (PID) flight controller.
Intermediate	Pytorch, C, Java L ^A T _E X
Beginner	Git, Matlab, Vivado Design Suite, Verilog

Maker Skills

- Proficient in soldering and various hand tools.
- Experience with 3d printing and parametric CAD (FreeCAD).
- Experience with basic machining (lathing and milling) - Completed George Brown Basic Machining Course.