

BRANDON TOUSHAN

Physics, Mathematics & Statistics Grad/Data Scientist

@ brandontoushan@gmail.com 613-453-8198 310 Earl Street, K7L 2H8 Ontario, Canada
in www.linkedin.com/in/brandon-toushan https://brandonoushan.github.io https://github.com/BrandonToushan

PROJECTS

SuperCoop Queen's University

- Year-long intensive capstone research project investigating the super-conductor Cooper pair condensation phenomenon in Nb-Ta foil
- Recorded, analyzed and propagated error for thousands of data points using the NumPy package for Python 3.51 in Jupyter Notebooks
- Developed and optimized non-linear models using SciPy to fit experimental results to physical expectation and determine trends
- See <https://github.com/BrandonToushan/SuperCOOP> for source code, working data notebooks and the final paper in it's entirety

EXPERIENCE

Firefly Program Group Leader KidsAbility Center for Child Development

May 2017 – Sept 2018 Waterloo, ON

- Acted as a team leader for a staff of six working with children and youths aged three to twenty-four with exceptionalities, in a health-care and wellness environment for a well-respected NGO


Undergraduate Physics, Mathematics, & Statistics Tutor Queen's University

Sept 2017 – Ongoing Kingston, ON

- Taught undergraduate students on an intermittent basis in physics, math and statistics coursework as well as MCAT physics prep

AWARDS

 **The Gordon Canning Award in Mathematics**
Queen's University '19

 **Excellence Scholarship**
Queen's University '15

 **Most Outstanding Graduating Athlete**
Bluevale Collegiate Institute '15

EDUCATION

B.Ed. International Physics & Mathematics Education Queen's University

May 2019 - Present

B.ScH. Physics, Mathematics & Statistics Queen's University

Sept 2015 – May 2019

DATA SCIENCE

NumPy ●●●●●

matplotlib ●●●●●

SciPy ●●●●●

pandas ●●●●●

scikit-learn ●●●●●

PROGRAMMING

Python ●●●●●

LaTeX ●●●●●

SQL ●●●●●

Maple/Mathematica ●●●●●

MatLab ●●●●●