

BRANDON TOUSHAN

Data Scientist/Master of Management Analytics (MMA) Candidate

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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 3.5.1 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

Freelance Web Developer Various Clients

May 2019 – Ongoing Kingston/Waterloo, ON

- Developed, optimized and maintained various websites for individuals, projects and organizations utilizing HTML, CSS, Java and various APIs to meet client needs and goals

Firefly Program Group Lead KidsAbility Center for Child Development

May 2017 – Sept 2018 Waterloo, ON



- Managed a small team of professionals and volunteers at a well-respected NGO focused on the education and wellness of exceptional learners
- Main responsibilities included creating and managing the day to day programming for therapy camps, interacting with clients and acting as a liaison between admin and front-line staff

Physics, Mathematics, & Statistics Tutor Queen's University

Sept 2016 – Sept 2019 Kingston, ON

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

AWARDS

-  **The Gordon Canning Award in Mathematics**
Queen's University, 2019
-  **Excellence Scholarship**
Queen's University, 2015

EDUCATION

MMA, Management Analytics
Smith School of Business
Jan 2020 – February 2021
BSc (Hons), Physics & Mathematics
Queen's University
Sept 2015 – May 2019

PROGRAMMING

Python	●●●●●
HTML	●●●●●
CSS	●●●●●
SQL	●●●●●
MatLab	●●●●●

DATA ANALYTICS

Numpy/Scipy	●●●●●
Pandas	●●●●●
Scikit-learn	●●●●●
TensorFlow	●●●●●
Tableau	●●●●●
Excel	●●●●●

LANGUAGES

English	●●●●●
French	●●●●●
Spanish	●●●●●