BRANDON TOUSHAN

Data Science Professional/Master of Management Analytics Candidate

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EXPERIENCE

Intern Software Engineer, Data Science

Harvard Humanitarian Initiative - KoBoToolbox

Jan 2020 – Ongoing Cambridge, MA

- Worked as part of a small, international team of engineers and academics developing the KoBoToolbox Project, a suite of tools used by researchers and aid workers for collecting and analyzing data
- As of 2020, KoboToolbox has been used to collect and analyze over 10 million surveys, performed by tens of thousands of NGO's including the United Nations OCHA, the IFRC and the World Bank
- Personally took on an expansion of the data visualization and analysis capabilities of the auto-report feature, largely working with Python in a Docker production environment

Full Stack Web Developer

Various Clients

May 2019 – Jan 2020 Kingston, ON

- Developed, optimized and maintained various websites for individuals, projects and organizations on a freelance basis 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

PROJECTS

SuperCOOP

Queen's University

- Year-long intensive capstone research project investigating the superconductor 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

EDUCATION

MMA, Management Analytics

Smith School of Business

Jan 2020 – February 2021 (Expected)

BSc (Hons), Physics & Mathematics

Queen's University

Sept 2015 – May 2019

AWARDS

The Gordon Canning Award in Mathematics
Queen's University, 2019

TECHNICAL SKILLS

Python	●●●●●
R	●●●●○
SQL	●●●○○
HTML/CSS	●●●●○
Numpy/Scipy/Pandas	●●●●●
Machine Learning	●●●○○
Tableau	●●●○○
Analytic Modelling	●●●●○
Probability/Statistics	●●●●●

LANGUAGES

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