BRANDON TOUSHAN

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EDUCATION

Master of Management Analytics, Smith School of Business, Queen's University, Kingston, ON   **2020 – Present**
- GPA: **3.78/4.0** (In Progress)
- Selected as 1 of 20 applicants amongst 1000 candidates for Huawei's Seeds for the Future program
- Awards: 2nd Place Winner of the Machine Learning (ML) Cup Challenge, Top 15% of University endorsed Kaggle competition featuring ~6000 contestants

Honours Bachelor of Science; Physics and Mathematics, Queen's University, Kingston, ON   **2015 – 2019**
- Awards: Recipient of the *Gordon Canning Award in Mathematics,* 2019

PROFESSIONAL EXPERIENCE

Software Engineer; Backend & Data Viz, Harvard Humanitarian Initiative, Cambridge, MA, US   **Jan 2020 – Present**
- Conducted thorough needs analyses for the UNHCR, World Bank, and IFRC; Facilitated the strategic ideation and development of KoBo Toolbox's newly imagined data storytelling platform according to client requirements
- Developed tools to produce professional quality charts and reports without the need for external software or deep technical skills; Enhanced partner organization reach and fundraising by over 30% and secured an additional $1MM in funding and partnerships for KoBo Toolbox and the greater Harvard Humanitarian Initiative
- Improved publication quality of over 10M scientific papers, reports and research studies produced with KoBo Toolbox annually via a complete overhaul of KoBo's existing visualization platform; enhanced UI/UX, dramatically improved ease of use, introduced new export .svg functionality, optimized and revamped client-facing elements

Full Stack Web Developer, Freelance, Kingston, ON   **2019 – 2020**
- Generated over $350k in cumulative revenue for over 20 clients in the retail, hospitality and professional services sectors by introducing entirely new eCommerce sales channels and enhancing online and social media visibility
- Increased online sales and overall client traffic by 150% through a combination of uniquely developed end-to-end web solutions, non-traditional marketing techniques and targeted eCommerce strategies

Program Lead; Firefly Therapy Services, KidsAbility Centre for Child Development, Waterloo, ON   **2017 – 2018**
- Recognized for planning and executing the largest and most successful rollout of KidsAbility's therapy and outreach programs to date, leading to the successful inclusion of over 150 exceptional learners into the program

EXTRACURRICULARS

Director of Data Science, Queen's University Alternative Asset Fund (QUAAF), Toronto, ON   **Jun 2020 – Present**
- Recognized with promotion to Director of Data Science through guidance of executive management and board members on the strategic direction of the fund's quantitative finance practices
- Co-managed $100K of AUM invested; liaised with financial analysts to conduct risk pooling and profiling, portfolio selection and asset diversification via a combination of machine learning and financial engineering techniques
- Designed the fund's first algorithmic and artificially intelligent investment strategies, analyzed investment opportunities across multiple asset classes and industries including tech, natural resources, and currencies

Consultant, Smith Business Consulting (SBC), Kingston, ON   **May 2020 – Aug 2020**
- Led team of 5 consultants to design and execute a sustainable growth and eCommerce strategy for an early-stage retail startup with a focus on hyper-local operations and over $800K in yearly revenue
- Co-advised the City of Kingston on the how to improve the accessibility of social and cultural events in order to be more inclusive of members of marginalized groups, newcomers to Canada and persons with exceptionalities

SKILLS

- **Full Stack Development Skillset**: python, r, js, html/css, matlab, sql/nosql, spark, docker, aws/azure
- **Robust AI and Analytics Toolkit**: pandas, numpy, scipy, scikit-learn, tensorflow, keras, tidyverse, hadoop,
- **Data Visualization and UI/UX Design Expertise**: d3, chart.js, bokeh, matplotlib, ggplot2, plotly, seaborn, tableau