

Duncan Wang

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EDUCATION

McGill University, Desautels Faculty of Management Montreal, Canada
Master of Management in Analytics Aug 2020 – Jun 2021

- GPA: 3.85, MMA Entrance Scholarship
- Analytics Consulting Project with Pratt & Whitney Canada** Montreal, Canada
Consultant, Data Analytics & Modeling Oct 2020 – Present
 - Developing an end-to-end solution for visualizing, tracking, and predicting engine part returns to enable advance-repair scheduling and avoid costs incurred from out-of-warranty repairs
 - Leveraging graph adjacency matrices to link repair histories and Python machine learning algorithms (clustering, anomaly detection, ARIMA, LSTM neural networks) to predict future repair patterns

McGill University, Faculty of Arts & Science Montreal, Canada
Major in Sustainability Science, Minor in GIS & Remote Sensing Sept 2016– May 2020

- GPA: 3.70, First Class Honours, Dean's Multidisciplinary Research List, Science Undergraduate Research Award, School of Environment Research Award, Global Health Research Scholarship

TECHNICAL SKILLS

- Coding Languages: Python, R, SQL, Neo4j (Cypher), Javascript/HTML/CSS
- Software and Tools: SPSS, ArcGIS, QGIS, Mapbox GL JS, Microsoft Office, AWS

PROFESSIONAL EXPERIENCE

Redpath Museum, McGill University Montreal, Canada
Research Assistant Sept 2019 – Aug 2020

- Led design and implementation of laboratory experiments, produced novel evidence supporting temperature mediated effects of microplastic pollution on an invasive North American fish, and called for further study
- Conducted inferential modeling (ANCOVA) of experimental data in R Studio to develop recommendations supporting value of incorporating combined/interaction effects frameworks into future ecological studies

Global Health Programs, McGill University Montreal, Canada
Research Scholar May 2019 – Oct 2019

- Collected and synthesized pharmaceutical patent data using Excel VBA to produce visual reports which facilitated communication of key R&D trends to industry experts & academics at two research symposiums

Meridian Lightweight Technologies Strathroy, Ontario
Occupational Health and Safety Intern Jun 2018 – Aug 2018

- Designed a new health and safety benchmarking system for self-auditing employee regulatory compliance, receiving approval from Canada and US directors to pilot project at head manufacturing facility

LEADERSHIP AND EXTRACURRICULARS

McGill Arts & Science Undergraduate Society Montreal, Canada
President, Vice President of Academic Affairs May 2018 – May 2020

- Managed team with six role portfolios, three constituent organizations, and funds of \$30,000; created new academic resources & networking opportunities for faculty, growing annual participation by 30%

World Wildlife Fund (McGill Student Club) Montreal, Canada
Co-President Sept 2017– Sep 2020

- Grew engagement by creating and filling 6 new positions & curating content for online audience of 1000+
- Built new external partnerships with WWF Canada by bringing "Living Planet Leaders" program to McGill

SKILLS AND INTERESTS

Languages: English, Chinese

Interests: Herpetology, Ichthyology, & Running