Tyler Nagano

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EDUCATION

McGill University, Desautels Faculty of Management — Montreal, Canada
Master of Management in Analytics — July 2022 – Aug 2023
- Marcel A. Desautels Masters Fellowship ($5000, Academic Merit and Leadership)

The University of Western Ontario, Schulich School of Medicine and Dentistry — London, Canada
Bachelor of Medical Sciences, Honours Specialization in Medical Bioinformatics — Sept 2017 – Apr 2022
- GPA: 3.90, The University of Western Ontario Gold Medal, UWO Men's Golf Team

TECHNICAL SKILLS

- **Key Competencies:** Programming, ETL/ELT, Databases (RDBMS and NoSQL), Math & Statistics (Probability, Calculus, Linear Algebra), Data Visualization, Data Management, Command Line, Cloud Platform, Optimization
- **Software:** Python, R, SQL, NoSQL (MongoDB, Neo4J), Qlik Sense, Power BI, GitHub, GitLab, Linux, macOS, Windows, AWS, Snowflake, Databricks, Microsoft Office (PowerPoint, Excel, Word, Access)

ANALYTICS PROJECT EXPERIENCE

Academic Analytics Consulting Project with Kruger Inc. — Montreal, Canada
Data Engineer — Oct 2022 – Apr 2023
- Automated consolidation of monthly financial health report for previous 3 years using Python improving visibility into historical trends through visualization of data in PowerBI leading to improved decision making

Academic Community Project with Reserva Conchal (Monkey Bridges) — Montreal, Canada
Research Assistant – McGill University — Mar 2023 – Present
- Developed data infrastructure solution using Python to store and collect road accident information on monkeys
- Implemented a facility location optimization model to allocate bridges to minimize fatalities`

The Effect of Mitochondrial DNA Variation on the Nuclear Epigenome (Castellani Lab) — London, Canada
Undergraduate Thesis Student – University of Western Ontario — Sept 2021 – Apr 2022
- Conducted in-depth analysis of epigenome and transcriptome (RNA-seq) data, successfully identifying key correlations which may explain the underlying biological pathways contributing to age-related chronic disease
- Utilized cloud platform (Compute Canada) to run bioinformatics programs in R (Bioconductor packages) and the command line to perform data cleaning, run regression models and generate visualizations

Research Assistant McGill University (Prof. Juan Serpa) — Montreal, Canada
Research Assistant - Desautels Faculty of Management — Mar 2023 – Present
- Created a website to summarize glyphosate research, supporting a professor's awareness-raising efforts and served as a reference for politicians' speeches.
- Collaborated with a team of students to plan and prepare three community projects for a larger team, streamlining the project initiation process and ensuring successful execution.

PROFESSIONAL EXPERIENCE

Sanofi — Toronto, Canada
Data Engineer (agreement to come back for 3 months) — May 2022 – July 2022
Data Science Intern — Sept 2020 – Aug 2021
- Implemented data migration from on-premise to cloud (AWS) to automate the ETL process
  - Resulted in a 95% cost reduction in maintenance, which allowed management to reallocate resources from data management to data analysis; Adding exponential cost-saving value
- Developed automated dashboards using Python and Power BI to monitor key manufacturing process parameters reducing 15 hours of manual work bi-weekly
- Maintained Django website (MySQL) to monitor all manufacturing process parameters and created new outlier detection logic to fully eliminate errors in reporting outliers to save costs by fully complying with GxP standards
- Maintained internal Python application to map raw materials to final vaccine products using SAP data and the NetworkX package saving 1-3 hours of manual work per query.

SKILLS AND INTERESTS

Interests: golf (Team Ontario Golf Member 2014/2017), running, singing, golf/basketball analytics, bioinformatics, podcasts, reading (philosophy, psychology, neuroscience)