**Konstantin Volodin**

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**EDUCATION**

**McGill University,** Desautels Faculty of Management Montreal, Canada

Master of Management in Analytics July 2022 – Aug 2023

**University of Ottawa,** Telfer School of Management Ottawa, Canada

Honours Bachelor of Commerce, Concentration in Finance Sept 2016 – April 2020

* GPA – 3.8/4, Magna Cum Laude distinction, Merit Scholarships

**TECHNICAL SKILLS**

* **Key Competencies:** Data Science, Simulation and Optimization, Data Engineering
* **Software:** Python, SQL, AWS, Databricks, R, Node.js, React, Django, GitHub

**ANALYTICS PROJECT EXPERIENCE**

**Academic Analytics Consulting Project with CAE Inc.**Montreal, Canada

Data Modeler Oct 2022 – April 2023

* Developing methodology for predictive modelling, supply chain optimization, and key KPIs to measure performance and improve the delivery timeliness of various key components
* Tools using to generate value: Power BI, SQL, Python

**PROFESSIONAL EXPERIENCE**

**Immigration, Refugees and Citizenship Canada**Ottawa, Canada

Data Scientist Oct 2022 – Present

* Modernizing existing classification models from legacy to modern software, reducing the need for licensed software and improving the scalability and performance of the models
* Contributed to development of data pipelines for displaying KPIs which allowed the monitoring of model performance

Data Analyst Dec 2020 – Oct 2022

* Worked on department wide Anti-Racism and hiring strategy, stemming from statistical analysis of HR data and a department wide survey; led to higher awareness about the problem and representation gaps improving
* Designed the reporting methodology and prepared quarterly reports for IRCC minister’s office to highlight the IRCC’s performance in the Anti-Racism activities, letting the leadership understand the problem and support the AR strategy
* Created various informative presentations and supported the delivery at IRCC’s EXCOM and EX Town Hall forums, raising executive awareness about discrimination issues and identifying specific areas for improvement

Project Officer Oct 2020 – Dec 2020

* Developed a simple database and a way for end users to query the relevant student data, which resulted in the process of identifying, matching, and connecting available students to recruiters being streamlined
* Created a form for student’s use to populate the student bridging database, reducing the manual workload of hiring managers of inputting the student data into a database

**Ottawa Hospital Research Institute**Ottawa, Canada

Research Assistant Feb 2020 – Aug 2020

* Analyzed patient level and scheduling datasets to understand the underlying distributions and use distributions for optimization and simulation models
* Used operations research techniques to improve patient scheduling, block scheduling, and capacity planning at TOH
* Developed web applications to present decision support tools to management to gain support in bringing the projects to production environment

**LEADERSHIP AND EXTRACURRICULAR**

**McGill University**Montreal, Canada

Research Assistant May 2019 – Present

* Designed a website summarizing research on glyphosate that facilitated awareness-raising efforts by a professor and was utilized as a resource for politicians' speaking points
* Developed a model for Telfer that builds a course and professor schedule for a full school year, decreasing the man-hour requirements from multiple weeks of full-time work to a few hours of computer time

**University of Ottawa**Ottawa, Canada

Research Assistant May 2019 – Present

* Created a Telfer schedule model that reduced the man-hours required for scheduling a full school year from weeks to a few hours of computer time, and implemented a user-friendly interface for easy usage of the tool
* Designed and implemented a Markov Decision Process model aimed at optimizing surgery scheduling, resulting in reduced wait times for high-priority patients

**SKILLS AND INTERESTS**

**Languages:** English, Russian

**Interests:** Decision Sciences, Machine Learning, Software Development, Data Engineering