

Konstantin Volodin

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EDUCATION

McGill University, Desautels Faculty of Management
Master of Management in Analytics

Montreal, Canada
July 2022 – Aug 2023

University of Ottawa, Telfer School of Management
Honours Bachelor of Commerce, Concentration in Finance
• GPA – 3.8/4, Magna Cum Laude distinction, Merit Scholarships

Ottawa, Canada
Sept 2016 – April 2020

TECHNICAL SKILLS

- **Key Competencies:** Data Visualization, Machine Learning, Simulation Modelling, Mathematical Optimization
- **Software:** Python, R, SQL, Node.js, React, Django, Postman, GitHub

ANALYTICS PROJECT EXPERIENCE

Academic Analytics Consulting Project with CAE Inc.

Montreal, Canada
Oct 2022 – April 2023

Data Modeler

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

PROFESSIONAL EXPERIENCE

Immigration, Refugees and Citizenship Canada

Ottawa, Canada
Oct 2022 – Present

Data Scientist

- Modernizing existing classification models from legacy to modern software, reducing the need for licensed software and improving the scalability and performance of the models

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
Feb 2020 – Aug 2020

Research Assistant

- 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

University of Ottawa

Ottawa, Canada
May 2019 – Present

Research Assistant

- 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
- Developed a Markov decision process model to improve surgery scheduling reducing the wait for high priority patients
- Researched ways to use neural network method within Markov decision processes approach for improved results

SKILLS AND INTERESTS

Languages: English, Russian

Interests: Decision Sciences, Machine Learning, Software Development