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

TECHNICAL SKILLS

- **Key Competencies:** Data Science, Data Engineering, Decision Sciences, Software Development
- **Languages:** Python, SQL, R, Node.js,
- **Tools:** AWS, Databricks, PyTorch, Power BI, React, Django, GitHub
- **Certifications:** AWS Certified Cloud Practitioner

ANALYTICS PROJECT EXPERIENCE

Academic Consulting Project   Montreal, Canada
Data Scientist, *CAE Inc.*   Oct 2022 – April 2023
- Developed methodology for demand forecasting, supply chain optimization, and KPIs to address stockout and overstocking issues with thousands of distinct key components.

Professional Analytics Project   Ottawa, Canada
Research Assistant, *Telfer School of Management*   May 2019 – February 2020
- Developed a Telfer schedule optimization model reducing man-hours from weeks to a few hours of computer time.
- Designed and implemented a user-friendly web interface to facilitate the deployment of the scheduling tool.

PROFESSIONAL EXPERIENCE

Immigration, Refugees and Citizenship Canada   Ottawa, Canada
Data Scientist, *Advanced Analytics Solution Centre*   Oct 2022 – Present
- Revamped legacy classification models with modern software to improve scalability, performance, and knowledge sharing, while reducing reliance on licensed software
- Developed data pipelines for additional KPIs, ensuring monitoring of model performance and data quality issues.

Data Analyst, *Anti Racism Task Force*   Dec 2020 – Oct 2022
- Analyzed HR data and conducted a department-wide survey informing the IRCC's hiring and AR strategy.
- Designed the methodology and prepared quarterly reports for Minister's Office, showcasing AR activities performance.
- Created and supported delivery of informative presentations at EX forums, gaining executive support for Anti-Racism initiatives and identifying areas for improvement.

Project Officer, *Employee Experience Team*   Oct 2020 – Dec 2020
- Streamlined the process of connecting students to recruiters by designing a database, user interface for querying data, and a form allowing students to populate the database leading to reduced workload of hiring managers.

McGill University   Montreal, Canada
Research Assistant, *Desautels School of Business*   March 2023 – Present
- Created a website to summarize glyphosate research, support awareness-raising efforts, and server 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.

Ottawa Hospital Research Institute   Ottawa, Canada
Research Assistant   Feb 2020 – Aug 2020
- Analyzed patient-level and scheduling datasets to effectively utilize them for optimization and simulation models.
- Applied operations research techniques to enhance patient scheduling, block scheduling, and capacity planning.
- Created web applications to showcase decision support tools, to gather support for project transition to production.

University of Ottawa   Ottawa, Canada
Research Assistant, *Telfer School of Management*   May 2019 – Present
- Developed a Markov Decision Process model for surgery scheduling, reducing wait times for high-priority patients.
- Conducted simulation voxperiments to evaluate hypotheses and support a master's student thesis.
- Conducted research on non-linear approximation for approximate dynamic programming.