**Konstantin Volodin**

+1 (438) 370-2046 • [volodin.kostia@gmail.com](mailto:volodin.kostia@gmail.com) • [ca.linkedin.com/in/konstantin-volodin](https://www.linkedin.com/in/konstantin-volodin/) • [konstantin-volodin.github.io](https://konstantin-volodin.github.io/)

**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:** Decision Sciences, Data Engineering, Machine Learning, Software Development
* **Software:** Python, SQL, AWS, Databricks, R, Node.js, React, Django, GitHub
* **Certifications:** one, two, three, four

**ANALYTICS PROJECT EXPERIENCE**

**Humanitarian Consulting Project** Montreal, Canada

Data Engineer, *Reserva Conchal* March 2023 – July 2023

* Developed data infrastructure solution using Python to store and collect accident information on howler monkeys.
* Created a facility location model to place bridges in a way that minimizes howler monkey fatalities.

**Academic Consulting Project**Montreal, Canada

Data Scientist, *CAE Inc*. Oct 2022 – April 2023

* Developed methodology for demand forecasting, supply chain optimization, and key KPIs to measure performance and improve the stockout and overstocking issues with thousands of distinct key components.

**Professional Analytics Project** Ottawa, Canada

Research Assistant, *Telfer School of Management* May 2019 – **FIX THIS**

* 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, *Client 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](https://www.science-of-glyphosate.com/) 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.

**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 experiments to evaluate hypotheses and support a master's student thesis.
* Conducted research on non-linear approximation for approximate dynamic programming.

**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.