KONSTANTIN VOLODIN

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PROFILE

Analytical and result-driven individual with a passion for problem-solving and a keen interest in advanced analytics. Experience related to data analytics, operations research, and web development. Reputation as a quick learner with outstanding technological and quantitative skills.

EDUCATION

Masters of Management in Analytics (MMA)   July 2022 – August 2023
Desautels Faculty of Management, McGill University, Quebec

Honours Bachelor of Commerce with an option in Finance   September 2016 - April 2020
Telfer School of Management, University of Ottawa, Ontario

- Graduated with a Magna Cum Laude distinction
- Cumulative GPA – 3.8/4.0
- Multiple Merit Scholarships obtained as a result of excellent academic performance.

Bachelor of Business Administration
University of Prince Edward Island, PEI   September 2015 – May 2016

WORK EXPERIENCE

Data Analyst – Indeterminate   December 2020 - Present
IRCC – Anti Racism Task Force

- Performed statistical analysis on a department-wide survey and delivered a dashboard to over 8000 employees
- Contributed to a department wide Anti-Racism strategy and hiring strategy through various analysis and research
- Helped create and supported delivery of presentations at EXCOM and EX Town Hall
- Worked with stakeholders on data strategy, improving the product, and delivering request

Project Officer – Casual   October 2020 – May 2021
IRCC – Employee Experience, Human Resources

- Developed a student bridging directory in excel VBA for managers to use
- Created a student questionnaire and a student directory to streamline student hiring

Research Assistant – Contract   February 2020 – August 2020
The Ottawa Hospital – Ottawa Hospital Research Institute

- Developed various web applications to present decision support tools.
  - Experience with angular, php, node.js, and classic web development technologies.
  - Designed databased schema in MySQL and deployed web apps using Amazon AWS.
- Used Java to implement operations research techniques for improving efficiency.
- Utilized R and SAS to analyze various healthcare datasets

Administrative Assistant - Student   Sept 2019 – February 2020
Fisheries and Oceans Canada

- Prepared HR reports reviewed and edited job postings, provided administrative support.
- Developed a web scrapping tool with Python to ease data gathering.
- Worked with Microsoft VBA to introduce automation and improve efficiency

Research Assistant - Contract
University of Ottawa   May 2019 – Sept 2019

- Helped developing a staffing integer programming model for Telfer School of Management.
- Performed data analysis with Python.

RELEVANT PROJECTS

Appointment Scheduling for Patient Surgeries

- The goal is to create a scheduling policy that improves various targets (ex. wait-times).
- A Markov Decision Process was used to model the scheduling, with Approximate Dynamic Programming approach written in Python to solve it.

Simulation-Based Analytics

- Developed a discrete event simulation to evaluate efficiency and increase productivity.
- Experimented with simulations, written in Python, to come up with a more efficient scheduling policy for a theoretical hospital scenario.

Forecasting Analytics

- Carried out a comprehensive forecasting process using R
- Performed data analysis, data cleaning and preparation, modeling and model testing.
- Wrote a detailed report explaining the findings in an easily understandable form.

SKILLS AND ATTRIBUTES

Advanced Analytics and Technical Skills

- Knowledge of data analysis, mathematical optimization, and simulation analysis.
- Experience working with general programming languages: Python, Java, and VBA.
- Knowledge of various specialized tools for analytics: R, Gurobi, GAMS, and SAS
- Worked with software development tools including React, Django, Postman, and Github

Communication and Team-Working Skills

- Ability to deliver informative presentations and write business reports.
- Extensive experience working on various group projects with a very diverse set of people.
- Confident in delivering effective presentations to all levels of the organization.