

Ruhi Mahendra

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PROFESSIONAL EXPERIENCE

Taking Root

Data Analyst

Vancouver, Canada

May 2021- July 2022

- Built an automated reporting and verification infrastructure using R and SQL to process tree sampling data provided by clients to improve data quality and saving program managers 5 hours a week through report automation
- Provided optimal sampling solutions to clients to increase carbon removal precision estimates by 30%
- Prepared an easy-to-use interactive R Shiny dashboard with key insights for program managers to visualize and understand client data trends

Research Assistant

University of Waterloo

Waterloo, Canada

April 2021 – February 2022

- Worked under the supervision of Dr. Kalyaanamoorthy contributing to the development of a Machine Learning model for repurposing therapeutics to target viral diseases
- Developed Bash and Python scripts to increase virtual screening efficiency by 100-fold to collect ligand-protein complex data for use in the classification model
- Conducted an analysis for an external research project identifying gene expression trends based on their functions within biological samples using R

Biodiversity Data Scientist

Agriculture and Agri-Food Canada

Ottawa, Canada

May 2020 – August 2020

- Developed R scripts to perform text mining to reduce redundancy between databases containing data on the flora of North America resulting in one robust relational database
- Designed and implemented interactive R shiny dashboards used by higher management to visualize data trends on the flora of North America

Scientific Data Analyst

Environment and Climate Change Canada

Toronto, Canada

January 2020 – April 2020

- Wrote Shell and Python scripts to process large satellite-derived remote sensing datasets and utilize numerical models to predict global albedo shifts impacted through climate change
- Created visually appealing geographical maps using Python's Matplotlib and satellite data to explain the variability in landcover due to the rise in atmospheric temperatures

EDUCATION

McGill University, Desautels Faculty of Management

Montreal, Canada

Master of Management in Analytics

July 2022 – July 2023

- 3.7 GPA, \$12,000 entrance scholarship based on academic merit and demonstrated community involvement

University of Waterloo

Waterloo, Canada

Bachelor of Science (Co-op), Specialization in Bioinformatics

September 2016 – April 2021

ANALYTICS PROJECT EXPERIENCE

Academic Analytics Consulting Project with Quebec Health

Montreal, Canada

Data Scientist

Oct 2022 – April 2023

- Developing a predictive model that will be rerun regularly that will predict the timing and range of managers expected to leave, the timing and range of managers expected to move upward, and the impact of the departures to the organization

TECHNICAL SKILLS

- **Key Competencies:** Storytelling, Data Wrangling, Data Mining, Data Visualization
- **Software:** SQL, Python, R, Bash, Power BI

SKILLS AND INTERESTS

Languages: English (fluent), French (fluent)

Interests: Running (Ran two half marathons and currently training for a full marathon), Bouldering, Skiing, Cooking, Reading