

Marcus Johnson

microbiology.marcus@gmail.com

marcusjohnson.ca/cv

HIGHLIGHTS

- Technical** Microsoft Office Suite (Excel, Word, Outlook, etc.) · Python · R · data management · data analysis and statistics · data visualization
- Research** Good laboratory practice (GLP) · technical scientific writing · aseptic technique · analytical skills · reverse transcriptase polymerase chain reaction (RT-PCR) · quantitative PCR (qPCR) · Next-Generation Sequencing
- Skills** Project management experience · effective communication with varying audiences · strong learning ability
-

EXPERIENCE

Research Microbiologist Jun 2023 – *present*

Environment and Climate Change Canada, Ottawa ON

- Developing a qPCR method to replace a labour-intensive soil nitrification assay; validating the method against the previous method and developing method criteria.
- Conducting meta-transcriptomics analysis and working closely with research bioinformatician to identify future pathways for soil microbial research for assessing chemical impacts to soil health.

Marketing Manager Feb 2023 – Jun 2023

Dan R Equipment, Winchester ON

- Oversaw the project of redesigning the company website and implementing an inventory management system with external contractors:
 - Raised online retention rates 180% within 3 months of starting the project.
 - Generated successful sales leads for sales team and assisted with inbound sales.

Research Assistant Sept 2019 – Aug 2020

University of Guelph, Guelph ON

- Managed a province-wide large-scale research program:
 - Coordinated with external research groups to collect and analyze microbial field samples.
 - Developed and deployed a receiving and cataloguing system for field samples.
- Conducted data analysis to identify trends in a former longitudinal study, presented findings identifying areas of further research while increasing efficiency.

(Co-op) Research Assistant Jan 2018 – Aug 2018; Jan 2019 – May 2019

Environment and Climate Change Canada, Ottawa ON

- Responsible for conducting a longitudinal microbial study to determine effects of nano-metal contaminants on microbial health.
- Participated in the inter-lab coordination of an ISO standard for measuring soil decomposition activity.

(Co-op) Food Technologist Jan 2017 – Apr 2017

Maple Leaf Foods, Mississauga ON

- Conducted chemical analysis on new products in preparation for regulatory product labeling requirements.
 - Participated in inter-departmental meetings with to discuss marketing strategies, consumer targets, and product integration.
-

EDUCATION

Master of Science, Environmental Science

University of Guelph, Guelph ON

Sep 2020 – Dec 2022

Bachelor of Science, Honours Biochemistry (Co-op)

University of Guelph, Guelph ON

Sep 2015 – Dec 2020