

# RAMNEEK CHEEMA

519-497-2170 | ramneekcheema@gmail.com | [www.linkedin.com/in/ramneekcheema/](https://www.linkedin.com/in/ramneekcheema/)

## EDUCATION

**MSc. (Biology, Specialization in Environmental and Chemical Toxicology)**, University of Ottawa Apr 2025

- Thesis: Development of a Quantitative Optimal Diet Model to Estimate the Impacts of Climate Change on Coastal First Nations Communities in British Columbia

**Honours BSc. (Biomedical Sciences - Bioinformatics)**, University of Waterloo Apr 2022

- Awarded Merit Scholarship; Extracurricular: Marketing Director for Science Society and member of the Youth Council for the Minister of Diversity of Inclusion and Youth

## PROFESSIONAL EXPERIENCE

**Graduate Researcher and Project lead**, Climate Change Food Security for Four Nations Jan 2023- Sep 2025

- Developed a quantitative scenario-based diet and economic models utilizing fish and MeHg concentration projections in the Pacific Northeast until 2100 for Haida and Tla'amin First Nations in **Python** and **SAS** apart of the **Climate Change Food Security for Four Nations**
- Leveraged data sets for statistical analyses on environmental, dietary, socioeconomic, and health metadata in **R**
- Developed and facilitated community engagement workshops with researchers from Stockholm Resilience Centre, UBC Institute of Oceans and Fisheries focused on climate change adaption and food sovereignty for two First Nations
- Prepared and delivered effective presentations to diverse stakeholders, translating complex data into actionable insights in **PowerPoint**

**Research Assistant**, "Improving Canadians' health literacy regarding the prevention of cancer" Present

- Co-lead on research activities such as development of methodologies, manuscript writing, and conference presentations
- Collaborating with UBC medical school, BC Center for Disease Control, and U of Alberta Law school
- Worked on developing educational framework on combating cancer misinformation

**Teaching Assistant**, University of Ottawa Jan 2023 – Dec 2024

- Delivered detailed evaluations and constructive feedback on 200+ assignments per semester
- Provided mentorship to students through office hours and presented course material through tutorial and laboratory settings

**Project Implementation Manager**, Manulife, Waterloo, ON July 2022 – Dec 2022

- Oversaw **70+** stakeholder projects, ensuring alignment between regulatory requirements and client needs through Salesforce
- Communicated complex financial and policy implications to stakeholders, aligning with client equity goals
- Formulated and maintained existing and new client relationships through organizing team wide meetings

**Research Assistant**, Dr. Naahidi Lab, University of Waterloo May 2019 – Aug 2020

- Supported the development of computational origami models for hydrogels using **Python** to advance solar energy technology
- Contributed to the presentation and writing of a research article by drafting methodology and assisting with data presentation in **PowerPoint**

**Manager**, Williams Fresh Café, Waterloo, ON June 2016 – Mar 2020

- Supervised and coached a team of 8 employees, overseeing scheduling, payroll and daily operations to ensure smooth business performance
- Led staff training and development initiatives that improved service quality, workplace efficiency and employee retention
- Drove sales and customer satisfaction by fostering a positive and collaborative team culture, consistently meeting and exceeding company objectives in service, cleanliness and operational excellence

## VOLUNTEER EXPERIENCE

**Co-Chair for Ottawa-Carleton Institute of Biology (OCIB) Symposium**, Ottawa, ON 2024

- Facilitated a two-day event for **over 300 researchers** which included 20 interactive sessions, enabling participants to share insights; developed a post-event summary that highlighted key themes and recommendations for future research directions

**Board of Directors for St. Mary's General Hospital Volunteer Association**, Kitchener, ON Sept 2021 – July 2023

- Participated in decision making surrounding volunteer operations, finances, and financial donations
- Led in the planning and decision-making process of fundraising activities that led to accumulating **\$1 million**

## SKILLS AND QUALIFICATIONS

**Technical skills:** MS Office, R (tidyverse, lme4/nlme, RMarkdown), Python (Pandas, NumPy, Matplotlib), SAS, Salesforce

**Soft skills:** Statistical models, multi-tasking, communication, project management, proactive self-starter, flexible team player, stakeholder relations, and a consensus - builder