Daniel Pourrahimi

Academic Researcher, MSc Student in CSB

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EDUCATION

University of Toronto — Toronto, ON

Master of Science, Cell and Systems Biology: Neuroscience — *Expected June 2027*

Topic: Aging and senescence in multiple sclerosis

PI: Dr. Samira Ghorbani

University of Toronto Mississauga — Mississauga, ON

Honours Bachelor of Science with High Distinction in Life Sciences — *June 2025*

Major: Biology for Health Sciences; Minors: Anthropology and Biomedical Communication

Dean's List Scholar 2023-2025; utmONE Scholar

EXPERIENCE

University of Toronto Mississauga — Mississauga, ON

Undergraduate Research — *May 2024 - April 2025*

- Ghorbani Lab: Undergraduate thesis research on oligodendrocyte phenotypes in MS; presented findings at CANGlia 2025; developed immunofluorescent imaging techniques.
- Stefanovic Lab: Bioinformatic research to redefine the *Cassytha* genome.
- Murray Lab: Field work research to identify changes in *Culex* oviposition with salinity.

William Osler Health System — Toronto, ON

Clerical Associate - Diagnostic Imaging — *May 2024-Present*

- Coordinated imaging for outpatients, inpatients, and emergency patients across all modalities; trained new staff; communicated with physicians, technologists and nurses.

University of Toronto Mississauga — Mississauga, ON

Assistant Horticulturist & Teaching Laboratory Assistant — *May 2023 - May 2024*

- Prepped and maintained the UTM plant and locust populations for research and courses.

Fortinos — Toronto, ON

Sales Associate — *2020 - 2021*

LEADERSHIP & ACTIVITIES

Etobicoke Humane Society: Cat Foster

William Osler Health System: Diagnostic Imaging & Day Surgery Volunteer

Caledon/Dufferin Victim Services: Diversity Research Volunteer

Erindale Biology Society: Event Guest Speaker

Mentorship/Advising: utmONE Scholars; URSA; Ghorbani Lab

SKILLS & INTERESTS

Computing: HTML, CSS, PHP, Java, JavaScript, R, Swift, Groovy, Google Apps Script

Software: ImageJ, QuPath, Adobe Creative Suite, Affinity Designer, Geneious, Jupyter, RStudio, Tableau, Blender

Techniques: Immunohistochemistry, immunofluorescent imaging, image analysis, gene annotation, phylogenetics

Interests: Aging, neuroimmunology, imaging, bioinformatics, quality of life burden, neurodegeneration, cognition