

ISABEL DRUMMOND

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PROFILE

MSc student passionate about climate sustainability and roles of power and politics in governance. Data nerd and bookworm with extensive interdisciplinary background through data science to political economics. Graduate of University of Waterloo and University of Toronto, currently at Concordia University.

EDUCATION

Master of Science, Geography, Urban & Environmental Studies Sep 2024 - April 2026

Concordia University, Department of Geography, Planning & Environment

- Research based, 2 year masters degree.
- Co-supervised between the Department of Geography, Planning & Environment and John Molson School of Business Department of Management.
- Research housed in the Concordia Climate Change Adaptation Lab, working towards the project *Towards a Carbon Governance Living Lab*, studying urban decarbonization.

Certificate in Climate Change Policy and Practice Sep 2023 - Aug 2024

University of Toronto, School of Continuing Studies

- Gained proficiency in greenhouse gas accounting through ISO 14064 (1-3).
- Studied corporate and financial adaptations to climate change impacts and policies.

Certificate in Business Data Analytics Sep 2023 - Jan 2024

University of Toronto, Rotman School of Management.

- Key focus on data-driven decision making in corporate settings, business strategies, and communication of data analysis.

Bachelor of Environmental Studies, Geography & Environmental Management Sep 2018 - Apr 2023

University of Waterloo, Department of Geography and Environmental Management

- Specialisation in Society and Economics.
- Honours thesis researched political activism and solidarity on Instagram through digital affective geographies and machine learning sentiment analysis.
- Key courses in environmental governance, political economics, environmental science, and statistics.

EXPERIENCE

Teaching Assistant Sep 2024 - Present

Concordia University, Department of Geography, Planning & Environment

- GEOG 290: Environment & Society.
- URBS 380: Urban and Regional Economic Development.

Bookseller Oct 2021 - Mar 2024

Words Worth Books

- Hand selected books for local libraries and clientele.
- Collaborated with local publishers and authors for book promotions and events.
- Reviewed and provided feedback on pre-released books for publishing houses.

Research Assistant, Hydrologic and Biogeochemical Modelling Jan 2020 - April 2020

University of Waterloo, Department of Civil and Environmental Engineering

- Researching nutrient and chemical composition data in lake sediment for studies on land use and climate change impact on watersheds.
- Data scraping and analysis, Python, R, and statistics for environmental data modelling.
- Contributions acknowledged in a peer-reviewed paper published to Environmental Research Letters.

Environment Peer Leader Sep 2019 - Jan 2020

University of Waterloo, United College (formerly St. Paul's University College)

- Served as an upper year mentor to a floor of first year students in the Faculty of Environment.
- Coordinated and supervised study halls, tutored, and advised student transitions into university.

Research Assistant

May 2019 - Sep 2019

White Owl Native Ancestry Association

- Collaborated with Indigenous knowledge keepers, researching and developing curriculums.
- Developed a land-based ecology and community focused curriculum for youth.

MAJOR PROJECTS

MSc Thesis: Living labs for low carbon futures: Governance strategies and best practices. Sep 2024 - April 2026
Concordia University, Department of Geography, Planning & Environment and Department of Management, John Molson School of Business

- Areas: Climate resilient cities, Climate governance, Carbon mitigation, Living labs, Socio-ecological transitions.

Workshop Paper: Climate Vulnerability Compass

March - Aug 2024

Mila Quebec AI Institute and Climate Change AI

- Areas: Climate communication, Climate adaptation, Climate Resilience, Climate Policy, Natural Language Processing, Ethical AI.

Honours Bachelors Thesis: Transnational Solidarity: a Methodological Assessment of Sentiment Analysis in Digital Geography

Sep 2022 - April 2023

University of Waterloo, Department of Geography and Environmental Management

- Areas: Digital geography, Social media analysis, Natural Language Processing, Online activism.

SERVICE AND VOLUNTEERING

Department Organizer (Geography, Planning, and Environment)

Jan 2025 - Present

Concordia Research and Education Workers Union (CREW-CSN)

- Elected by the department cohort to liaise and represent between the Union and the department of students. Involves planning and managing events and meetings.
- Assisting the officer of internal affairs, in which we manage the internal affairs, data management and security of the CREW Union at large.
- Assisted building the data workflow for attendance and ballot allocations for a 2000+ member election.

Settler Liaison

June 2020 - Dec 2021

Willow River Center

- Provided lines of communication, for collaboration, coordination, and public relations between the Willow River Center, the general public, and municipal bodies.

SCHOLARSHIPS AND AWARDS

Graduate Trainee: Leadership in Environmental and Digital Innovation for Sustainability (LEADS)

2024

Sustainability in the Digital Age, Future Earth, Concordia University

Undergraduate Student Research Award (USRA)

2020

Natural Science and Engineering Research Council of Canada (NSERC)

St. Paul's International Development Continuing Scholarship

2018

United College (formerly St. Paul's University College), University of Waterloo

Merit Scholarship

2018

University of Waterloo, Faculty of Environment

Entrance Scholarship

2018

University of Waterloo, Faculty of Environment