MICHAEL HOLLANDER

michael.hollander@mail.utoronto.ca
LinkedIn: linkedin.com/in/michael-hollander-8a89592b8 | Website: michael-hldr.github.io

Education

Bachelor of Applied Science (B.A.Sc) in Civil Engineering

University of Toronto | Anticipated Graduation: Jun. 2028 | Cumulative GPA: 3.80

Skills

Communication, Adaptability, Leadership, Outreach, Problem solving, Data collection & analysis
Technical: AutoCAD, Rhino 3D, HTML, Python, Java, C, C++, Inkscape, QGIS

Experience

Personal Transportation & Transit Projects Jan. 2025 – Present

Personal projects, Greater Toronto Area, ON

- Visited sites, and collected and analyzed data at different times of the week, ensuring I had a complete idea of existing issues when identifying problems and potential solutions.
- Identified problems and found solutions remarkably similar to those found implemented by the transit agency, demonstrating strong parallel thinking with the industry.
- Communicated projects through creating a personal website and publishing videos on projects starting in July 2025, allowing interested parties to understand my projects more.

Summer Research Student May – Aug. 2025

University of Toronto Department of Civil & Mineral Engineering, Toronto, ON

- Summarized the results of several dozen papers to create a literature review on leakage of cracked concrete containment facilities and attended weekly meetings to ensure consistent progress, allowing the lab to focus on advancing our knowledge on the facilities.
- Improved my understanding of concrete containment buildings, how they work, and how to find the right type of concrete for it.
- Adapted to a variety of roles in the lab, including casting, demoulding, cutting rebar, and finding difficult-to-see cracks in the concrete being tested, speeding up the lab's work.

New Frontiers in Transportation Jun. – Sep. 2025

University of Toronto Transportation Alumni Network (UTTAN), Toronto, ON

- Researched different methods of Transit Signal Priority and how they affect the speed and reliability of transit, a major factor in what solution we recommended.
- Attended biweekly meetings with mentors from the industry, ensuring our progress was consistent as deadlines approached.
- Presented and defended our findings to a panel of industry experts, allowing them to understand what we were proposing to do and why and cementing our third-place finish.

Chief Operations Officer Jun. 2024 – Nov. 2025
Executive of Operations Jul. 2023 – Jun. 2024

Ontario Competitive Mathematics Committee (remote)

- Planned upcoming events (three per year) and documented planning decisions, ensuring we would have enough time to run them smoothly
- Reached out to potential participant schools (5-10 for each event), arranged material deliveries, and supported the team as they helped, increasing the number of students able to write.
- Wrote reports after major events to determine points of improvement for future events, allowing them to run better than before.