

# Carlos Restrepo

<https://github.com/carlos-restrepo>  
📞 (647) 920-4626 • ✉ carlos.restrepo@live.ca

## Education

---

### Ryerson University

*Master of Science, Applied Discrete Mathematics (Mathematical Logic)*

Thesis: Polynomial Interpretation Logic on  $\omega$ -categorical Structures

### University of Toronto Mississauga

*Honours Bachelor of Science, Mathematics / Computer Science*

### Coursera

*Data Science Professional Certificate*

Topics covered: Machine Learning, Data Analysis Techniques and Data Visualization in Python.

*Excel to MySQL: Analytic Techniques for Business*

Topics covered: Business Metrics, Data Analysis in Excel, Data Visualization in Tableau.

## Technical Skills

---

- Knowledge in syntax and common practices of Python, Java, Javascript, SQL.
- Experience using and manipulating datasets.
- Familiar with version control in Github.

## Soft Skills

---

- Ability to understand and communicate theoretical concepts.
- Strong coding abilities and interpretation of logic.
- Teamwork and interpersonal skills.
- Able to complete work independently without oversight.
- Clear and concise communication.
- Fluent/native written and oral communication in Spanish.

## Work Experience

---

### Ryerson University: Graduate Researcher (Sept 2020 - Aug 2022)

- Read and interpret academic papers and textbooks relating to mathematical logic.
- Communicate learning with supervisor to ensure correctness and completeness of understanding.
- Report progress and set future goals for the university.
- Produce a comprehensive Master's Thesis outlining the findings of the research completed.
- Present the ideas put forth in the thesis to the defense committee and respond to related questions.

### University of Toronto Mississauga: Teaching Assistant (Sept 2017 - Present)

- Research and prepare clear tutorials at all levels of mathematics including courses relating to Algebraic Cryptography, Mathematical Logic, and Abstract Algebra.
- Coordinate with professors to set expectations and communicate student progress.
- Manage and meet overlapping deadlines for different courses.
- Learn new and review old material quickly to effectively communicate it to students.

### Robert Gillespie Academic Skills Centre: Mathematics Writing Instructor (Jan 2019 - Present)

- Meet with students one-on-one to help them understand concepts in a wide variety of mathematical topics.
- Create lesson plans, notes and exercises for a summer transition program catering to high school students.
- Produce notes simplifying key concepts in first year university mathematics courses using Microsoft Word.