

Ryan Zhao

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Summary of Qualifications:

- Strong analytical, abstract thinking and research ability, essential to my curriculum
- Out-of-the box thinking developed through math and physics competitions
- Proficiency in python, Tableau, Microsoft Suite, including Excel, PowerPoint, Words; and Power BI; Google suite, including doc, slides.
- Experience with SQLite, MySQL and SQL Server in large data applications and query restructuring information. Familiarity with ETL process and data modeling. Experience with multi-source input including structured and unstructured data to enable the use of files, tables, cloud data stores and other sources to prepare and optimize data for use in analytic insights and visualization.
- Strong Experience with Pandas, Numpy and Regex.
- Strong Experience with Git, command and Shell scripting.
- Comfortable with CSS, HTML, JSON.
- Experience with VBA in local file management, especially on Excel.
- Excellent presentation skill.
- Enjoy learning and facing new challenges.

Education & Training:

Bachelor of Science in Mathematics (Co-op) candidate, 2nd year

University of Toronto

September 2023 - present

Introduction to Computer Programming I(CSCA08)

University of Toronto

January 2024 – May 2024

- Demonstrated strong analytical and problem-solving skills, through developing a python-based coding project that aims to simulate and optimize the process of minimum distance search over multiple factors.
- Illustrated high concentration on tasks by completing the implementation of a python-based AI-like project (i.e generate random story based on a small dataset) in class under instruction with personal think-out-of-box ability.

Milliken Mills High School

January 2022- June 2023

- STEM focused Grade 11 and 12 courses
- Excellent results in math and physics competitions:
 - 2022 OAPT Grade 11 Physics Contest 96th percentile of all contestants
 - 2023 COMC top 4%
 - 2023 Euclid top 25%
 - 2023 ANC12 top 6%

Introduction to Computing Studies (ICS2O)

- Excelling the VB-based course, with frequent interaction with teacher and genuine interest in designing local interactive interface and local file management with VBA.

Work Experience:**-Data Analyst & Business Intelligence** Jan 2025- April 2025*University of Toronto Scarborough*

- Collaborated with cross-functional teams during my co-op at the University of Toronto Scarborough's A&S Co-op Department to build a fully automated data pipeline, significantly improving dashboard accessibility and usability for marketing and customer service teams.
- Applied Python, SQL, and Power BI to clean, transform, and visualize student data, enabling actionable insights that informed targeted outreach strategies.
- Learned to navigate large-scale organizational structures by reviewing API documentation and communicating with senior analysts to synchronize data updates and avoid server conflicts.
- Enhanced existing technical skills and gained hands-on experience with GitHub Actions and YAML-based workflow automation, ensuring scalable and reliable data solutions.
- Developed strong professional communication skills by regularly explaining data processes to colleagues, contributing to a more data-literate team environment.
- Overcame onboarding challenges by working closely with a mentor and a supportive supervisor, laying the foundation for an efficient, autonomous workflow setup.