

Ryan Shi

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Objective

Second-year data science undergraduate seeking to apply proven data analysis and computer programming skills in research and real-world contexts.

Education

HONORS BSC | JUNE 2025 (EXPECTED) | UNIVERSITY OF TORONTO

- Specialist: Data Science
- GPA: 3.96 / 4.0
- Coursework: Theory of Computation, Probability and Statistics (theory), Software Design

Experience

RESEARCH ASSISTANT | CAMH | OCT 2022 – MAR 2023

- Cleaned EEG data using MATLAB for a project assessing plasticity in adults with ASD and identifying potential biomarkers of ASD symptoms with the PAS-TMS paradigm at the Azrieli Adult Neurodevelopmental Centre

STATISTICS COURSE PROJECT | INTRODUCTION TO DATA SCIENCE | SEP 2021 – DEC 2021

- Explored several hypotheses for the interdisciplinary project *The Birth of the Modern Detective Story*
- Conducted statistical analyses using RStudio and techniques presented in the course, communicated findings using the R package ggplot2

PIANO TUTOR | UNAFFILIATED | SEP 2018 - PRESENT

- Improved the technique, repertoire, and self-confidence of students aged 7-12
- Offer services without charge to the disadvantaged

Skills & Abilities

COMPUTER PROGRAMMING

- Proficient with clean architecture and object-oriented programming paradigms in app development
- Languages: Java, Python (libraries include numpy, scipy, matplotlib), R, HTML, CSS

DATA ANALYSIS

- Proficient with R, Jupyter Notebook, MATLAB, Tableau, and Excel

Awards and Qualifications

TCPS 2: COURSE ON RESEARCH ETHICS | PANEL ON RESEARCH ETHICS | 2022

UNIVERSITY OF TORONTO SCHOLAR & J. S. MACLEAN SCHOLARSHIP | 2021

- Awarded to top undergraduate admits