

Riley Wheadon

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EDUCATION

University of British Columbia	June 2026
<i>B.Sc. Mathematics & Computer Science</i>	<i>GPA: 4.0/4.0</i>
Westmount Charter School	June 2022

COURSEWORK

Courses: Object-Oriented Programming, Data Structures & Algorithms, Discrete Math, Linear Algebra, Calculus I-IV, Ordinary & Partial Differential Equations, Data Science

Awards: Dean's List (1x), Royal Conservatory of Music Grade 10 Piano - First Class Honours (1x), Calgary Performing Arts Festival Gold (3x), Best Delegete - Canadian High School Model United Nations (2x)

SKILLS

Languages: C/C++, Python, Java, SQL, JavaScript/TypeScript, HTML/CSS, L^AT_EX

Tools: Git/GitHub, Unix Shell, Jupyter, IntelliJ, Vim/NeoVim, Obsidian

Frameworks: React, Solid, Node.js, Flask, JUnit, Material-UI

Libraries: pandas, NumPy, Matplotlib, BeautifulSoup

PROJECTS

Canadian Legislation Visualization <i>Python, Pandas, BeautifulSoup, Matplotlib</i>	Jan. 2024
<ul style="list-style-type: none"> Analyzed trends in 28 years worth of legislative data from the Canadian Government Built a web scraper to acquire additional information from the Government of Canada's website Visualized the data using Matplotlib and produced a brief report on the results 	

EXPERIENCE

University of British Columbia <i>Teaching Assistant</i>	Sep. 2023 – Present
<ul style="list-style-type: none"> Provided supplementary instruction during MATH 100 (differential calculus) workshops Worked to develop student's mathematical communication through group work and written assignments 	
Minds in Motion Calgary <i>Programming Instructor</i>	Apr. 2023 – Aug. 2023
<ul style="list-style-type: none"> Planned and delivered 40 hours of lessons per week for campers aged 10-14 on computer programming Worked closely with a team of over 30 instructors to foster a safe and inclusive learning environment Delivered workshops on science and technology for elementary school students across Calgary 	
Music Makers Calgary <i>Piano Teacher</i>	Sep. 2021 – Aug. 2022
<ul style="list-style-type: none"> Worked with students aged 5-12 to advance their piano studies and cultivate a passion for music Taught students skills such as reading sheet music, maintaining rhythm, and proper piano technique Prepared students for bi-annual recitals in January and June where they performed in front of family and peers 	
Cambridge Manor <i>Volunteer Pianist</i>	Jan. 2021 - Jan. 2023
<ul style="list-style-type: none"> Learned and performed piano music for the residents of the Cambridge Manor nursing home in NW Calgary Provided entertainment to residents throughout the COVID-19 pandemic and during the holiday season 	