

# Riley Wheadon

 <https://github.com/rileywheadon>
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## EDUCATION

<b>University of British Columbia</b>	June 2026
<i>B.Sc. Mathematics &amp; Computer Science</i>	<i>GPA: 4.0/4.0</i>
<b>Westmount Charter School</b>	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<sup>A</sup>T<sub>E</sub>X

**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

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

## EXPERIENCE

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