

# SHANIA POON

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## EDUCATION

<b>Bachelor of Medical Sciences - Specialization in Interdisciplinary Medical Sciences</b>   <i>Western University</i>	2026
<ul style="list-style-type: none"><li>Relevant coursework in Data Science, Data Structures and Algorithms, Databases II, Bioinformatics, and Organic Chemistry</li><li>Executive Member of Western Students Offering Support (SOS) and Western Smart Solutions</li></ul>	

## TECHNICAL SKILLS

- Software/program skills:** Excel | Word | PowerPoint | Outlook | MS Teams | VS Code | MySQL |
- Programing Languages/skills:** R | Python | SQL | JavaScript | PHP | CSS | HTML | C++ |

## RESEARCH & COMPUTATIONAL PROJECTS

## LABORATORY EXPERIENCE

<b>Student   Databases II Course</b>   <i>Western University</i>	Sept 2025 – Dec 2025
<ul style="list-style-type: none"><li>Applied <b>data storage, indexing, and query optimization</b> techniques to support efficient retrieval of large datasets</li><li>Evaluated concurrency control and recovery strategies to maintain <b>data integrity, privacy, and reliability in multi-user systems</b></li><li>Assessed distributed database architectures to support secure clinical <b>data storage, archiving, and scalability</b></li></ul>	
<b>Student   Data Science Course</b>   <i>Western University</i>	Jan – Apr 2025
<ul style="list-style-type: none"><li>Utilized Python packages such as <b>Pandas</b> and <b>NumPy</b> to manipulate and analyze real-world health-related datasets</li><li>Applied statistical techniques including <b>bootstrap resampling, hypothesis testing, and Bayesian inference</b></li><li>Developed and evaluated predictive models using <b>regression analysis</b> and <b>cross-validation</b> to ensure model accuracy and reliability</li></ul>	
<b>Project Volunteer   Bioinformatics Research Project (Dr. Kum &amp; A. Ray)</b>   <i>Western University</i>	Oct – Jan 2025
<ul style="list-style-type: none"><li>Reviewed, analyzed, and compiled <b>238</b> peer-reviewed bioinformatics articles to ensure high validity and relevance for final report</li></ul>	

## WORK EXPERIENCE

<b>Summer Camp Coordinator</b>   <i>STEM camp</i>	June – Aug 2023
<ul style="list-style-type: none"><li>Led, supervised, and trained a team of camp counselors, counselors-in-training (CIT), and campers of ages 5-13</li><li>Managed and completed administration duties such as attendance records, safety procedures, and inventory reporting</li></ul>	
<b>Summer Camp Counsellor</b>   <i>STEM camp</i>	June – Aug 2022
<ul style="list-style-type: none"><li>Designed and led engaging STEM activities for campers while ensuring safety procedures are always followed</li></ul>	

## VOLUNTEER EXPERIENCE

<b>Diagnostic Imaging Volunteer</b>   <i>Cambridge Memorial Hospital</i>	July 2024 – Present
<ul style="list-style-type: none"><li>Provided patients with diagnostic imaging directions, procedure information, and CT preparation instructions</li></ul>	