




RESEARCH INTERESTS	Computational biology algorithms, computational genomics, research informatics	
EDUCATION	<b>University of Toronto</b> , Toronto, Ontario Canada B.Sc., Bioinformatics and Computational Biology Specialist <b>September, 2017 - present</b>	
COMPUTING SKILLS	<ul style="list-style-type: none"> <li>• Data Analysis: Hypothesis Testing and Statistical Estimation, Data Visualization, Supervised and Unsupervised Statistical Learning.</li> <li>• Languages: R, Python, Java, C, SQL, <math>\LaTeX</math>, Linux/UNIX shell scripting.</li> <li>• Applications: Common spreadsheet and presentation software, Version control systems for team projects.</li> <li>• Mathematics: Multivariable Calculus, Linear Algebra; some knowledge of computational theories, Data Structures and algorithms.</li> <li>• Operating Systems: UNIX/Linux, Windows.</li> </ul>	
LABORATORY SKILLS	<ul style="list-style-type: none"> <li>• General Laboratory: Pipetting, Filtration, Titration, Media Preparation, Glassware cleaning.</li> <li>• Biochemistry: PCR, Electrophoresis, Limited exposure to blotting, theoretical knowledge of chromatography, column, and florescent antibody techniques</li> <li>• Instruments: Optic microscopes, Vortex mixers, Centrifuges, Spectrophotometers.</li> </ul>	
EXPERIENCE	<b>University of Toronto</b> , Toronto, Ontario, Canada <i>Undergraduate</i> <i>Software Development</i> <b>October - December, 2018</b> <ul style="list-style-type: none"> <li>- As a team of 4 together developed an Android application. (see project section below for details)</li> <li>- Gained experience in working remotely and organising multiple in-person meetings.</li> </ul> <i>Analysis of Toronto Break and Enter Crime Data in 2019</i> <b>March, 2020</b> <ul style="list-style-type: none"> <li>- Statistical analysis of real data on Break and Enters in Toronto during 2019.</li> <li>- Responsible for selecting the appropriate statistical methods for analysing, integrating team members' ideas and boiled them down to actual code.</li> </ul> <i>STEM Fellowship Big Data Challenge 2020</i>  <b>May, 2020</b> <ul style="list-style-type: none"> <li>- Statistical analysis to explain severity of COVID-19 transmission in 144 countries using variables that reflect their economic development and population health status.</li> <li>- Organised multiple online meetings and worked remotely as a team of 4.</li> </ul>	
PROJECTS	<b>Game Centre</b>  - <i>An Android application containing three classic games available.</i> <ul style="list-style-type: none"> <li>• Developed with the basic software design principle (SOLID) in mind, and employed design patterns such as adapter and abstract factory to enhance code reusability and extendibility.</li> <li>• Implemented a complete user management system.</li> </ul> <b>Analysis of Toronto Break and Enter Crime Data in 2019</b>  <ul style="list-style-type: none"> <li>- <i>An attempt to discover correlations between B&amp;E crime occurrences and geographical factors</i> <ul style="list-style-type: none"> <li>• Applied various statistical testings to the datasets.</li> <li>• Data processing and analysis using R.</li> </ul> </li> </ul>	