




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