

BORIS LI

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EDUCATION

- Sep 2020 – **University of British Columbia**, Vancouver, BC
- Third year Bachelor of Science, Combined Honours in Physics and Mathematics
 - Sessional average of 93.1% in the previous term
 - Science One, class of 2021
- Sep 2016 – Jun 2020 **St. Michael's University School**, Victoria, BC
- High school

WORK EXPERIENCE

- May – Aug 2022 **Undergraduate Research Assistant**, Department of Physics and Astronomy, UBC
- Studied the dipole anisotropy of quasar distributions from WISE data under the supervision of Dr. Douglas Scott
 - Utilized astronomy-related Python packages, such as Astropy, Healpy, and PolSpice
- Sep 2021 – Apr 2022 **Undergraduate Teaching Assistant**, Science One, UBC
- 1 year for Physics and Mathematics portion of the course
- Sep 2021 – Apr 2022 **Undergraduate Teaching Assistant**, Computer Science, UBC
- 2 terms for CPSC 110 – Computation, Programs, and Programming
- May – Aug 2021 **Undergraduate Academic Assistant**, Department of Mathematics, UBC
- Wrote and designed questions for PrairieLearn, an online homework platform, based on the CLP textbooks
 - Designed an element that allows the input and grading of numbers with units using Python

PAST PROJECTS

- 2021 *The Efficiency of the Rubik's Cube: A Numerical Analysis of Rubik's Cube Speed-Solving Methods, with a Focus on CFOP & Roux*
- 2020 *The Century Old Problem: A Brief Overview of the Poincaré Conjecture and Perelman's Solution*

SKILLS

Programming Languages: Proficient in Python & Java; Some experience in C

Languages: Fluent in English & Cantonese; Proficient in Mandarin

CONTESTS & AWARDS

2020	American Mathematics Competition 12 , Mathematical Association of America
2019	American Mathematics Competition 12 , Mathematical Association of America Fermat Contest , University of Waterloo CEMC • Distinction Canadian Computing Competition (Junior Level), University of Waterloo CEMC Avogadro Exam , University of Waterloo Department of Chemistry • Distinction, 94 th Percentile
2018	Canadian Open Mathematics Challenge , Canadian Mathematical Society • Performance with Distinction Canadian Senior Mathematics Contest , University of Waterloo CEMC • Distinction Cayley Contest , University of Waterloo CEMC • Distinction