**EDUCATION**

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| **Combined Major Computer Science and Physics** | 2015 – Present |

University of British Columbia, Vancouver, BC, Canada

**Studies include**: Software Engineering, Algorithm Design and Analysis, Numerical Approximation, Computer Hardware and Operating System, Classical Mechanics, Experimental Physics, Statistical Mechanics, Quantum Mechanics and Applications

**RESEARCH AND TEACHING EXPERIENCE**

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| **SBQMI Fellowship Researcher – Quantum Device Group, UBC** | 2018 – 2019 | | | |
| * Researched topological insulator effects in graphene and WS2 interface * Organized and independently directed everyday research progress * Gained hands-on experience with and qualified for various cleanroom and nanofabrication equipment * Created new surface cleaning mechanism for monolayer flakes on chip | |  | | |
| **Teaching Assistant – PHYS 107/ PHYS 109/ CPSC 121, UBC** | 2016 – 2019 | | | |
| * Facilitated and monitored lab sessions for various courses * Run office hours and ensure students’ understanding of the course | | |  | |
| **TRIUMF Fellowship with FYSRE Award – Canadian National Laboratory for Particle and Nuclear Physics** | 2016 | | | |
| * Self-taught Python and wrote a GUI program for peak-fitting for data analysis * Trained and became certified for Nuclear Energy Worker status * Participated on shifts and performed data analysis for experimental runs | | | |  |

**TECHNICAL SKILLS AND SIDE PROJECTS**

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| **CPSC 436 – Industry Project React/Node.js Web App** | 2020 | |
| * Proposed project idea and devised detailed project requirements * Collaborated in a team of four and became lead Frontend developer * Worked with Google Map and Place API to create user-friendly Interface for trip planning | |  |

**Computing Skills**: Java, Javascript, Python, C, C++, GUI Development, Object-Oriented Programing, SQL, React, Node.js, CSS, MongoDB

**Collaboration Skills**: Participated in and coordinated research effort between various groups and universities for TRIUMF and UBC Quantum Device Group

**Microsoft Office** – Word, Excel, PowerPoint

**LANGUAGES**

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| * Fluent in English and Vietnamese | * Familiar with Mandarin and French |