

Education

Doctor of Philosophy of Mathematics

The University of British Columbia

Sep 2021 - Present

Supervisor: Sébastien Picard

Master of Mathematics

University of Waterloo

Jan 2020 - Dec 2020

Pure Mathematics

Supervisor: Spiro Karigiannis

Thesis: Differential Operators on Manifolds with G_2 -Structure

Bachelor of Mathematics

University of Waterloo

Sep 2013 - Aug 2014

Sep 2016 - Dec 2019

Pure Mathematics, Honours, Co-operative Program

Combinatorics & Optimization, Honours, Co-operative Program

With Distinction

Dean's Honours List

Research

Research Assistant

University of Waterloo

Jan 2021 - Aug 2021

Supervisor: Spiro Karigiannis

NSERC Undergraduate Student Research Assistant

University of Waterloo

May 2019 - Aug 2019

Supervisor: Laurent Marcoux

Project: The Almost Invariant Subspace Problem

NSERC Undergraduate Student Research Assistant

University of Waterloo

May 2018 - Aug 2018

Supervisor: Benoit Charbonneau

Project: Vortex Solutions on Riemann Surfaces from Hyperbolic Tessellations

Teaching

Teaching Assistant

The University of British Columbia

Sep 2021 - Present

- MATH 223: *Linear Algebra*, 2021 Winter Term I
- MATH 421: *Real Analysis II*, 2021 Winter Term II
- MATH 190: *Calculus Survey*, 2022 Winter Term I

Teaching Assistant

University of Waterloo

Jan 2020 - Dec 2020

- MATH 147: *Calculus 1 (Advanced Level)*, Fall 2020
- PMATH 465: *Geometry of Manifolds*, Fall 2020
- PMATH 352: *Complex Analysis*, Spring 2020
- MATH 136: *Linear Algebra 1 for Honours Mathematics*, Winter 2020
- PMATH 365: *Differential Geometry*, Winter 2020

Undergraduate Tutor

University of Waterloo

Sep 2016 - Dec 2016

- MATH 137: *Calculus 1 for Honours Mathematics*, Fall 2016

Work Experience

Operations Analyst

Coastal Pacific Xpress

May 2017 - Dec 2017

Platoon Sergeant

Singapore Armed Forces

39 Singapore Combat Engineers

Oct 2015 - Sep 2016

Chemical Biological Radiological Specialist

Singapore Armed Forces

39 Singapore Combat Engineers

Jun 2015 - Sep 2016

Portfolio Management Trainee Intern

Charlie Chan Capital Partners Pte Ltd

May 2014 - Aug 2014

Awards and Scholarships

Four Year Doctoral Fellowship

The University of British Columbia

2021

President's Academic Excellence Award

The University of British Columbia

2021

NSERC Alexander Graham Bell Canada Graduate Scholarship - Masters

University of Waterloo

2021

President's Graduate Scholarship

University of Waterloo

2021

Outstanding Teaching Assistant Award

University of Waterloo

2020

NSERC Undergraduate Student Research Award

University of Waterloo

2020

NSERC Undergraduate Student Research Award

University of Waterloo

2019

University of Waterloo 50th Anniversary Scholarship

University of Waterloo

2018

Distinguish Honour Graduate (Golden Bayonet)

Singapore Armed Forces

2015

Faculty of Mathematics Scholarship

University of Waterloo

2014

University of Waterloo President's Scholarship

University of Waterloo

2014