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Canadian Institutes of Health Research

Natural Sciences and Engineering C

Research Council of Canada

Social Sciences and Humanities Research Council of Canada Instituts de recherche en santé du Canada

Conseil de recherches en sciences naturelles et en génie du Canada

Conseil de recherches en sciences humaines du Canada





This is a draft version only. Do not submit to any funding organization. Only the final version from the History page can be submitted.

Mr. Kaleb Ruscitti

Correspondence language: English

Date of Birth: 12/15

Canadian Residency Status: Canadian Citizen

Country of Citizenship: Canada

Contact Information

The primary information is denoted by (*)

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Mailing (*)

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2021/09/01 - 2022/06/30

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Mr. Kaleb Ruscitti

Language Skills

Language	Read	Write	Speak	Understand
English	Yes	Yes	Yes	Yes
French	Yes	Yes	Yes	Yes

User Profile

Research Disciplines: Pure Mathematics, Physics

Areas of Research: Geometry, Quantum Phenomena

Fields of Application: Foundations and Knowledge Acquisition

Research Specialization Keywords: Geometry, Moduli Spaces, Quantum Field Theory

Degrees

2021/9 Master's Thesis, Masters of Science, Mathematics, McGill University

Degree Status: In Progress

Supervisors: Jacques Hurtubise

2016/9 - 2021/5 Bachelor's Honours, Bachelor's of Science, Mathematical Physics, University of Waterloo

Degree Status: Completed

Employment

2021/7 Document Editor

Wordvice

2020/5 - 2020/8 Undergraduate Research Assistant

Pure Mathematics, University of Waterloo

2019/5 - 2019/8 Undergraduate Research Assistant

Energy, Materials, Telecommunications, Varennes, QC, Institut national de la recherche

scientifique

2019/1 - 2019/4 Undergraduate Research Assistant

Institute for Quantum Computing, University of Waterloo

2018/1 - 2018/4 Undergraduate Research Assistant

Institute for Quantum Computing, University of Waterloo

Research Funding History

Completed [n=3]

2020/4 - 2020/8 Co-investigator NSERC Undergraduate Student Research Award

Principal Investigator: Ruxandra Moraru

Funding Sources:

2020/4 - 2020/8 Natural Sciences and Engineering Research Council of Canada

(NSERC)

Undergraduate Student Research Award Total Funding - 6,000 (Canadian dollar)

Funding Competitive?: Yes

2019/5 - 2019/8 Co-investigator NSERC Undergraduate Student Research Award

Principal Investigator: Roberto Morandotti

Funding Sources:

2019/5 - 2019/8 Natural Sciences and Engineering Research Council of Canada

(NSERC)

Undergraduate Student Research Award Total Funding - 6,000 (Canadian dollar)

Funding Competitive?: Yes

2019/1 - 2019/4 Co-investigator NSERC Undergraduate Student Research Award

Principal Investigator: Raffi Budakian

Funding Sources:

2019/1 - 2019/4 Natural Sciences and Engineering Research Council of Canada

(NSERC)

Undergraduate Student Research Award Total Funding - 6,000 (Canadian dollar)

Funding Competitive?: Yes

Mentoring Activities

2022/1 - 2022/4 Graduate Student Mentor, McGill Graduate Student Association for Mathematics and

Statistics

Number of Mentorees: 1

In partnership with the McGill Society of Undergraduate Mathematics Students, the Graduate Association runs a Directed Reading Program. I am registered in this program to mentor an undergraduate student to do a directed study of a theorem, topic or paper of

our choosing.

2018/9 - 2019/4 Undergrad Student Mentor, University of Waterloo Physics Club

Number of Mentorees: 1

I was a mentor in a program which matched upper year physics majors with first year incoming students, to provide 1-on-1 mentoring. I helped my mentoree with the transition

to university both in academics and managing life outside the classroom.

Community and Volunteer Activities

2017/4 - 2018/9

Communications Executive, University of Waterloo Ballroom Dance Club
The Ballroom Dance Club was an extracurricular club for students to learn ballroom
dancing. I was on the executive team which organized the dance classes, practices and
social events. As the communications executive, I made and distributed advertisements
for the club, and I also managed email and social media to keep the membership informed
of events and information related to the club.

Presentations

1. (2018). Adaptive Optics for Ion-Addressing in an Ion Trap Quantum SImulator. Physics Undergraduate Conference (PhUnC), London, ON, Canada

Main Audience: Researcher

Invited?: No, Keynote?: No, Competitive?: Yes

Publications

Thesis/Dissertation

1. Time evolution of coHiggs bundles given by Lax pairs. (2020). University of Waterloo. Bachelor's Honours. Number of Pages: 19 Supervisor: Ruxandra Moraru

Funding Sources: Natural Sciences and Engineering Research Council of Canada (NSERC)