
University of Illinois at Chicago
Department of Mathematics, Statistics, and Computer Science
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Education

University of Illinois at Chicago, Chicago, Illinois, USA
Doctor of Mathematics 2019 (expected), Pure Mathematics
· Advisor: Benjamin Antieau

University of Waterloo, Waterloo, Ontario, Canada
Master of Mathematics 2014, Pure Mathematics
· Title: Characterizations of the Chern characteristic classes
· Advisors: Benoit Charbonneau, Spiro Karigiannis

University of Waterloo, Waterloo, Ontario, Canada
Bachelor of Mathematics 2013, with distinction
Pure Mathematics and Combinatorics & Optimization, Double Honours

Positions held

University of Illinois at Chicago, Chicago, Illinois, USA
Research assistant to Benjamin Antieau, August - December 2016

University of Latvia, Riga, Latvia
Research assistant in quantum algorithms to Andris Ambainis, April - June 2011

Honors & awards

Mathematics Graduate Experience award (2013)
Mathematics Faculty Graduate award (2013)
Math in Moscow program certificate (2011)
Sydney Academy Scholarship (2009)
Nova Scotia Lieutenant Governor's Medal (2008)

Teaching experience

Teaching assistant
Math 179, 182 - Emerging Scholars Workshop for Calculus I, II (UIC, 2015 -)
· twice-weekly 2-hour discussion session, 15-25 students
Math 180 - Calculus I discussion (UIC, 2014 - 2015)
· twice-weekly 1-hour discussion session, 15-25 students
Pure Math 667 - Algebraic topology (UW, 2014)
· three times weekly in-class tutorial, 30 students
Math 115, 116, 138 - Calculus I, II and linear algebra for engineers (UW, 2013 - 2014)
· twice-weekly tutorial class and tutorial center, 20-30 students

Seminar speaker

UIC: Algebraic geometry RTG reading group (2016)
Graduate chromatic homotopy theory seminar (2016)
Graduate student colloquium (2016)
Homotopy theory seminar (2015)
Graduate geometry, topology and dynamics seminar (2014 -)

UW: Joint pure math and combinatorics & optimization colloquium (2014)
Characteristic classes learning seminar (2013)
Morse theory learning seminar (2013)

Teacher

Krišjānis Barons Latvian School of Chicago (2014 -)

- once-weekly classes, 5-15 students
- Latvian history for grades 7-11

Math Circles of Chicago (2014 - 2016)

- twice-monthly classes, 3-20 students
- Mathematics enrichment workshops for grades 6-8

Language skills

Fluent in English, Latvian. Good command of French.
Basic knowledge of Russian, Spanish, German.

Computer skills

Fluent in Python, HTML, Mathematica, and LaTeX. Familiar with Scheme, R, C, Java

References

Benjamin Antieau (doctoral advisor), University of Illinois at Chicago
dantie1@uic.edu

Benoit Charbonneau (masters co-advisor), University of Waterloo
benoit.charbonneau@uwaterloo.ca

Spiro Karigiannis (masters co-advisor), University of Waterloo
karigian@uwaterloo.ca

David Jackson, University of Waterloo
dmjackso@uwaterloo.ca