

## Contact

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## Education

- PhD in Mathematics** May 2018  
University of Connecticut  
expected
- M.S. in Mathematics** May 2015  
University of Connecticut
- B.S. in Mathematics** May 2012  
University of Minnesota

## Research

My research is in mathematical logic, specifically in computability theory, reverse mathematics, strong reductions, and higher recursion. My research adviser is [Damir Dzhafarov](#).

## Affiliations

Association of Symbolic Logic  
American Mathematical Society  
Association CiE  
University of Connecticut Logic Group

## Talks

- New England Recursion and Definability Seminar** Oct 2017  
Wellesley College
- Cornell Logic Seminar** Mar 2017  
Cornell University
- UConn Logic Colloquium** Oct 2016  
University of Connecticut
- Fifth NY Graduate Student Conference in Logic** May 2016  
CUNY Graduate Center
- Computability in Europe** Jul 2015  
Universitatea din București

## Articles

- Effective Completeness for  $S4.3.1$ -Theories with Respect to Discrete Linear Models** Submitted
- Strong Reductions between Relatives of the Stable Ramsey's Theorem** Submitted

## Awards

- Louis J. DeLuca Memorial Outstanding Teaching Assistant Award** 2017  
University of Connecticut Math Department
- Doctoral Dissertation Summer Fellowship** 2017  
University of Connecticut Math Department
- Doctoral Dissertation Summer Fellowship** 2016  
University of Connecticut Math Department
- Doctoral Student Travel Award** 2015  
University of Connecticut Graduate School

# Teaching

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## Multivariable & Vector Calculus

Teaching Assistant

Fall 2017

## Elementary Differential Equations

Lecturer

Spring 2017

## Multivariable & Vector Calculus

Teaching Assistant

Fall 2016

## Multivariable & Vector Calculus

Lecturer

Spring 2016

## Multivariable & Vector Calculus

Lecturer

Fall 2015

## Elementary Differential Equations

Teaching Assistant

Spring 2015

## Elementary Differential Equations

Lecturer

Fall 2014

## Elementary Differential Equations

Teaching Assistant

Spring 2014

## Calculus I

Teaching Assistant

Fall 2013

University of  
Connecticut

University of  
Minnesota

## College Algebra

Teaching Assistant

Spring 2012

## College Algebra

Teaching Assistant

Fall 2011

## Calculus II

Teaching Assistant

Spring 2011

## College Algebra

Teaching Assistant

Fall 2010

“★★★★★”

MEDIAN STUDENT RATING OUT OF 5 STARS.

100%

PROPORTION OF POSITIVE FEEDBACK.

Data collected 2013–2017 at University of Connecticut as anonymous responses to the question, "What is your overall rating of David Nichols' teaching?"

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