

# BRIAN PINSKY

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Rutgers University, Department of Mathematics, 110 Frelinghuysen Road, Piscataway, NJ

## EDUCATION

**Ph.D. Student in Mathematics** 2018 - (in progress)  
Rutgers University, New Brunswick, NJ

**B.S. Advanced Mathematics** 2014 - 2018

**B.S. Computer Science**

**B.A. Linguistics**

Michigan State University Honors College, East Lansing, MI  
With Honors; Cumulative GPA: 3.883

### *Non-Degree Programs*

**Core Model Induction 2019** June 3-14, 2019

Rutgers University, New Brunswick, NJ

COURSES: Determinacy and Scales, Prikry-type Forcings and Inner Model Theory, Fine Structure and the Core Model

## RESEARCH EXPERIENCE

**Research Assistant - Neurolinguistics** 2014 - 2018

Michigan State University - Neurolinguistics Lab

Studying real time processing of noun-noun compounds

**Research Assistant - Spectroscopy** Summers 2015 to 2017

University of Michigan - Goodson Group

Studying entangled photon virtual state spectroscopy

## TEACHING EXPERIENCE

**Teaching Assistant** 2019 - Present

Rutgers University, Courses:

MTH 492: Honors Seminar in Category Theory

Spring 2019

MTH 135: Calculus I

Fall 2019

**Undergraduate Learning Assistant** Fall 2015 - Spring 2018

Michigan State University, Courses:

MTH 103: College Algebra

MTH 153H: Honors Calculus 2

MTH 299: Transitions (introduction to proofs)

MTH 133: Calculus 2

**Math Tutor** 2014 - 2018  
Michigan State University - Mathematics Learning Center

## AWARDS AND FELLOWSHIPS

### *Funded Awards and Fellowships*

**Graduate Research Fellow** 2018 - Present  
Rutgers University

**Linguistics Outstanding Senior** 2018  
Michigan State University

**Undergraduate Learning Assistant Award for Excellence in Teaching** 2018  
Michigan State University

**Herbert T Graham Scholarship Fund** 2018  
Michigan State University

**Mathematics Endowed Enrichment First Year Scholarship Award** 2015  
Michigan State University

### *Honors*

**Dean's List** 2014 - 2018  
Michigan State University

**Eagle Scout** 2011

### *Presentation Awards*

**Section Winner, MSU Annual Student Mathematics Conference** 2017  
Michigan State University

## PUBLICATIONS

*Entangled Photon Excited Fluorescence in Organic Materials:  
An Ultrafast Coincidence Detector* 2017  
Oleg Varnavski, **Brian Pinsky**, and Theodore Goodson III\*  
J. Phys. Chem. Lett., 2017, 8, pp 388393

## PRESENTATIONS

**Introduction to Non-Standard Analysis** 2018  
Rutgers Graduate Pizza Seminar  
Michigan State University 2017

**Interpretations of possessives for relational and non-relational nouns** 2018  
Linguistics Undergraduate Thesis [  
Michigan State University Undergraduate Linguistics Conference (MSUULC)

**A proof of Zorn's Lemma from Axiom of Choice** 2017  
Michigan State University

**PROFESSIONAL SERVICE****Coordinator**

Graduate Student Pizza Seminar

**2019-2020****CERTIFICATIONS****Commercial Pilot**

Flight Instructor : Airplane (Single Engine)

**2019**

Commercial: Airplane (Single Engine, Land)

**2018**

Instrument Airplane

**2018**

Private Pilot: Airplane (Single Engine, Land)

**2015**

Private Pilot: Glider

**2014****Amateur Radio Licence****2006**

Extra Class

Callsign: KD8EEH