

# Robin Ragland

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## Education

### **PH.D. | EXPECTED MAY 2020 | UNIVERSITY OF NORTH TEXAS**

Major: Mathematics

Dissertation Title: "Winning Sets and the Banach-Mazur-McMullen Game"

Dissertation Advisor: Lior Fishman, Ph.D.

### **M.S. | DEC. 2014 | UNIVERSITY OF TEXAS AT TYLER**

Major: Mathematics

### **B.S. | MAY 2012 | UNIVERSITY OF TEXAS AT TYLER**

Major: Mathematics

Minor: Physics

## University Teaching Experience

### **UNIVERSITY OF NORTH TEXAS | TEACHING FELLOW | JAN. 2018 – PRESENT**

- Instructor of record for 5 sections for undergraduates in Mathematics department for courses on Calculus and Precalculus.
- Prepared lectures and assignments for 25-60 freshman and sophomore level undergraduates.
- Used instructional technology to enhance pedagogical approach.
- Organized and supervised Teaching Assistants and created group assignments for recitation sections.
- Taught an abbreviated summer course in Calculus for 30 freshman and sophomore level undergraduates.
- Currently teaching a fully online section of PreCalculus.

### **UNIVERSITY OF NORTH TEXAS | TEACHING ASSISTANT | AUG. 2015 – DEC. 2017**

- Taught and facilitated 11 recitation sections for undergraduates in Mathematics department for courses on Calculus.
- Supervised group work on various Calculus techniques and applications.
- Explained challenging concepts to students and administered quizzes and exams.

### **UNIVERSITY OF TEXAS AT TYLER | TEACHING FELLOW | AUG. 2013 – MAY 2014**

- Instructor of record for 2 sections for undergraduates in Mathematics department for courses on Business Algebra.
- Created lesson plans on using algebra to analyze investments and loans.

### **UNIVERSITY OF TEXAS AT TYLER | TEACHING ASSISTANT | AUG. 2012 – MAY 2013**

- Taught and facilitated 3 sections for undergraduates for courses on using Mathematica in conjunction with Calculus.
- Created and graded assignments using Mathematica to solve Calculus problems and graph equations.

## Other University Service

### UNIVERSITY OF NORTH TEXAS | GRADUATE STUDENT ASSISTANT | JAN. 2015 – AUG. 2015

- Tutored students in College Algebra, Business Math, Statistics, Calculus, Linear Algebra, and Real Analysis in the MathLab.
- Graded for courses in Real Analysis, Multivariate Calculus, and Linear Algebra.

### UNIVERSITY OF TEXAS AT TYLER | STUDENT ASSISTANT | AUG. 2010 – MAY 2014

- Tutored students in College Algebra, Business Math, Statistics, Calculus, Linear Algebra, and Real Analysis in the Math Learning Center.
- Graded for courses in Calculus and Business Math.

## Skills

- Proficient in Linear Algebra, Calculus (I, II, and III), and Differential Equations
- Basic knowledge of programming with Python

## Professional Memberships

- American Mathematical Society
- Association for Women in Mathematics

## References

- **Lior Fishman**, Assoc. Professor of Mathematics, University of North Texas, 940-369-8145, [lior.fishman@unt.edu](mailto:lior.fishman@unt.edu)
- **Douglas Brozovic**, Assoc. Professor of Mathematics, University of North Texas, 940-565-4304, [douglas.brozovic@unt.edu](mailto:douglas.brozovic@unt.edu)
- **Mary Ann Barber**, Principal Lecturer and Director of Internet Instruction for Mathematics, University of North Texas, 940-369-8307, [mabarber@unt.edu](mailto:mabarber@unt.edu)