

# Matthew Kroesche

Texas A&M University  
Department of Mathematics

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## Personal Information

Email Address: mdkroesche@tamu.edu  
URL: <https://hukilau17.github.io/>  
Office: Blocker 640D

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## Education

**August 2019 - May 2024 (expected):** Ph.D in Mathematics,  
Texas A&M University, College Station  
Advisor: Dr. Matt Young

**August 2015 - May 2019:** B.S. in Electrical Engineering and Applied Mathematics,  
Texas A&M University, College Station

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## Research Interests

Analytic Number theory,  $L$ -functions, modular forms

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## Teaching Experience

<b>January 2023 - May 2023</b>	Instructor of Record, MATH 168 - Finite Mathematics
<b>August 2022 - December 2022</b>	Grader, MATH 617 - Complex Variables
<b>June 2022 - August 2022</b>	Recitation/Python Lab TA, MATH 151 - Engineering Mathematics I Writer for Python lab assignments for all summer sections of MATH 151
<b>January 2022 - May 2022</b>	Recitation/Python Lab TA, MATH 151 - Engineering Mathematics I
<b>August 2021 - December 2021</b>	Recitation/Python Lab TA, MATH 151 - Engineering Mathematics I
<b>June 2021 - August 2021</b>	Recitation/Python Lab TA, MATH 152 - Engineering Mathematics II Writer for Python lab assignments for all summer sections of MATH 152
<b>January 2021 - May 2021</b>	Recitation/Python Lab TA, MATH 152 - Engineering Mathematics II
<b>August 2020 - December 2020</b>	Recitation/Python Lab TA, MATH 150 - Precalculus

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## Conferences Attended

<b>January 2023</b>	Joint Mathematics Meetings, Boston, MA
<b>March 2022</b>	Southern Regional Number Theory Conference, Baton Rouge, LA

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## Outreach

<b>November 2018 - Present</b>	Coach for the Texas Harvard-MIT Math Tournament teams
<b>June 2016 - Present</b>	Coach for the Texas American Regions Math League teams
<b>June 2019</b>	Counselor, Summer Math Research Training Camp, Texas A&M
<b>October 2015 - October 2018</b>	Volunteer for the Texas A&M High School Mathematics Contest

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## Honors and Achievements

<b>2020 - 2023</b>	N.W. Naugle Fellowship in Mathematics
<b>December 2018</b>	Putnam examination, top 200
<b>December 2017</b>	Putnam examination, top 500
<b>December 2016</b>	Putnam examination, top 200
<b>December 2015</b>	Putnam examination, top 500
<b>May 2015</b>	Texas ARML Team High Scorer
<b>April 2015</b>	USA Mathematical Olympiad qualifier
<b>April 2014</b>	USA Mathematical Olympiad qualifier

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## Skills

Python, C/C++,  $\text{\LaTeX}$