Lisa Michelle Reed

Department of Mathematics
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Education
- o University of Kentucky (UK), Lexington KY

Doctor of Philosophy – PhD, Mathematics, Anticipated Graduation May 2027

- o Union University (UU), Jackson, TN

B.S. in Mathematics with Honors, Summa Cum Laude, May 2022

Research Experience
- o Honors Thesis Project, August 2021 – May 2022
  That's Impossible! An Exploration of Three Famous Greek Constructions.
- o UCSB Mathematics Summer Research Program for Undergraduates, Summer 2021
  Advisor: Dr. Zhirayr Avetisyan.
  Topic: Analysis in Almost Abelian Spaces
- o Rose Hulman Undergraduate Research Experience in Mathematics, Summer 2020
  Advisor: Dr. Wayne Tarrant.
  Topic: Can Data Analytics Help the Poor?

Teaching Experience

UK:
Primary Instructor:
- o MA 111: Introduction to Contemporary Mathematics (Summer 2023)

Recitation Leader:
- o MA 110: Algebra and Trig for Calculus (Fall 2022)
- o MA 123: Elementary Calculus (Spring 2023, Fall 2023)

UU:
- o Mathematica Study Lab Leader (Fall 2020 – Spring 2022)
- o Mathematics Peer Tutor (Fall 2019 – Spring 2022)
- o College Algebra Study Lab Coach (Fall 2019, Spring 2020)

Publications
- o "That's Impossible! An Exploration of Three Famous Impossibilities" The *Pentagon* Vol. 82, No. 1, Spring 2022. http://kappamuepsilon.org/Pentagon/Vol_81_Num_2_Spring_2022.pdf

Outreach and Service
- o Panelist for University of Kentucky Math Club REU information session. Nov. 2023
- o Served on the Resolution Committee for Kappa Mu Epsilon 46th Biennial Convention, April 2023.
- o Helped run the Kentucky Math Carnival, a free interactive math carnival for middle school students from seven surrounding counties of the Univ. of Kentucky. April 2023
  Website: https://sites.google.com/view/thekentuckymathcarnival

Talks and Presentations
- MathFest 2023, July 2023. Ehren Dolan, Noah Owen, Lisa Reed. "The Kentucky Math Carnival." Math Outreach poster presentation
- Kappa Mu Epsilon Southeastern Regional Convention, April 2022. Lisa Reed. "That's Impossible! An Exploration of Three Famous Greek Constructions." Talk.
- Mathematical Association of America, Southeastern Section Meeting, March 2022. Lisa Reed. "That's Impossible! An Exploration of Three Famous Greek Constructions." Talk.
- Young Mathematicians Conference, Virtual, August 2021. Andrew Paul, Lisa Reed. "Topological Properties of Complex Almost Abelian Lie Groups" Virtual live talk.
- Southern California Math REU Conference, Virtual, July 2021. Andrew Paul, Lisa Reed. "Topological Properties of Complex Almost Abelian Lie Groups" Virtual live talk.
- Women in Mathematics in New England, Northampton, MA (Virtual), October 2020. Lisa Reed, Janet Stefanov, Zerrin Vural. "The Adoption of M-Pesa: A Percolation Approach to Network Goods" Virtual live talk.
- Indiana REU Conference, Bloomington, Indiana (Virtual), August 2020. Lisa Reed, Janet Stefanov, Zerrin Vural. "The Adoption of M-Pesa: A Percolation Approach to Network Goods" Virtual live talk.

Fellowships and Awards
- Max Steckler Fellowship, UK, 2023-2024 academic year
- Graduate School Multi-Year Fellowship, UK, 2022 – Present
- Elizabeth Tigrett Medal, UU, May 2022
- Academic Excellence Medal: Major in Mathematics, UU, May 2022
- Student Research Excellence Award, UU, May 2022
- President's List, UU, Fall 2018 – Spring 2022
- Wolfram Award in Computational Science, UU, May 2019

Conferences/Workshops Attended
- Gender Equity in the Mathematical Study (GEMS) of Commutative Algebra, Minneapolis MN. Nov. 2023
- MathFest 2023, Tampa FL. July 2023
- Kappa Mu Epsilon 46th Biennial Convention, Rockville Centre NY. April 2023
- Kappa Mu Epsilon Southeastern Regional Convention, Florence AL. April 2022
- MAA Southeastern Section Meeting, Mt. Berry GA. March 2022
- Young Mathematicians Conference, Virtual. August 2021
- Southern California Math REU Conference, Virtual. July 2021
- MAA Southeastern Section Meeting, Virtual. March 2021
- Women In Mathematics in New England, Virtual. October 2020
- Indiana REU Conference, Bloomington IN. August 2020
- MAA Southeastern Section Meeting, Cleveland TN. March 2019

Memberships and Clubs
- Mathematical Association of America Student Membership, 2022 – Present
- Inducted into Kappa Mu Epsilon National Mathematics Honor Society, April 2021
- Mallory Mathematics Club, Union University, 2018 – 2022