

# Lisa Joy Mueller

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lisa.mueller@und.edu

**EMPLOYMENT/** *University of North Dakota, Online* Present

**EDUCATION** Teaching Assistant Professor of Mathematics

- Fall 2021 – College Algebra, Calculus I

*Study.com, Online*

Spring 2021 – Summer 2021

High School Math Skills Lesson Writer

*University of Kentucky, Lexington, KY*

Fall 2017 – Spring 2021

Graduate Teaching Assistant

- Primary instructor for College Algebra, Contemporary Mathematics, the Mathematics for Elementary School Teachers sequence
- Recitation Leader for Calculus I, Pre-Calculus

*University of Kentucky, Lexington, KY*

Fall 2017 – Spring 2021

Graduate Student

- Graduate Scholar in Mathematics
- Received M.A. in Fall 2019
- 3.6 cumulative GPA

*California State University, Fullerton, CA*

Fall 2013 – Spring 2017

Supplemental Instruction Leader

- Intermediate Algebra, College Algebra, Pre-Calculus, A Short Course in Calculus, Business Calculus, Calculus I, Calculus II, Calculus III

*California State University, Fullerton, Fullerton, CA*

Fall 2012 – Spring 2017

Undergraduate Student

- Pure mathematics major, psychology minor
- 3.58 cumulative GPA (cum laude)

**PUBLICATIONS** *r-Pancyclic, r-Bipancyclic, and Oddly r-Bipancyclic Graphs*

Co-written by WonHyuk Choi, Abdollah Khodkar, and Oliver Sawin (2015).

<https://arxiv.org/abs/1510.03052>.

**PRESENTED  
TALKS**

*Process View of Function*

Master's presentation

- University of Kentucky, Lexington, KY (Fall 2019 x2)

*2-Colorable Chord Diagrams*

Based on "Patterns and Colorability in Chord Diagrams" by Jay Pantone (Dartmouth College)

- University of Kentucky, Lexington, KY (Spring 2018)

*Research in Graph Theory*

Combination of "Study on Oddly-Bipancyclic Graphs and Other  $n$ -Pancyclic Graphs" and "Edge-Magic Total Labelings" (*see below*)

- University of Kentucky, Lexington, KY (Fall 2017)

*Study on Oddly-Bipancyclic Graphs and Other  $n$ -Pancyclic Graphs*

Original research by me, WonHyuk “Harry” Choi (Pomona College), Oliver Sawin (Rensselaer Polytechnic Institute), and Dr. Abdollah Khodkar (University of West Georgia)

- California State University, Fullerton, CA (Spring 2016 & Fall 2015)
- Seattle, WA (Spring 2016)
- Harvey Mudd College, Claremont, CA (Fall 2015)

*Edge-Magic Total Labelings*

Original research by me, Nick Bohall (University of Washington), Kajal Chokshi (Loyola University Chicago), Jacklyn Emrich (Loyola University Maryland), and Dr. Abdollah Khodkar (University of West Georgia)

- California State University, Fullerton, CA (Spring 2016 & Fall 2015)
- Seattle, WA (Spring 2016)
- Harvey Mudd College, Claremont, CA (Fall 2015)

**LANGUAGES**

*English*

Native language

*Spanish*

Read/write/speak with intermediate proficiency

**MEMBERSHIPS/  
AWARDS**

- Math Alliance Scholar
- AWM Member
- MAA Member
- AMS Member
- SIAM Member
- GSM Scholar
- Graduated cum laude ( $\geq 3.5$  GPA)
- FGAP Participant for 2016 – 2017
- 2016 Recipient for Award for Service to University and Department of Mathematics
- Dean’s List recipient from Fall 2012 to Fall 2015 (7 semesters)

**SKILLS**

- Highly proficient in  $\LaTeX$
- Proficient in C++ and MATLAB

**CITIZENSHIP**

U.S. Citizen