

LEILANI PAI

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http://www.math.unl.edu/leilani-pai

EDUCATION

- PhD coursework in Mathematics** *in-progress*
University of Nebraska – Lincoln; Lincoln, NE
- MS in Mathematics** May 2019
University of Nebraska – Lincoln; Lincoln, NE
- BA in Mathematics, *cum laude*** May 2017
University of Southern California; Los Angeles, CA
Minor in Computer Science

TEACHING EXPERIENCE

As **Instructor of Record** at UNL:

- MATH 203J – Contemporary Mathematics for Journalism Spring 2020
MATH 203J is a general-education math course catered specifically to students with an interest in journalism. The last six weeks of this course were administered online.
- MATH 103 – College Algebra and Trigonometry Fall 2019
- MATH 203 – Contemporary Mathematics Spring 2019
- MATH 101 – College Algebra Fall 2018

As a **Teaching Assistant** at UNL:

- MATH 107(r) – Calculus II Recitation Fall 2017 – Summer 2018

Other experience:

- **MRC Counselor** at UNL Fall semesters 2017-2019
Provided guidance and homework help to undergraduates in first-year mathematics courses at UNL who visited the Math Resource Center
- **Course Producer** for CSCI 170 at USC Fall 2016 – Spring 2017
Held office hours, monitored an online discussion board, and assisted with exams for an introductory course in discrete mathematics for computer science students

HONORS AND AWARDS

- USC Presidential (National Merit) Scholarship** Fall 2014 – Spring 2017
- USC Resident Honors Program** Fall 2013 – Spring 2017
- USC Provost Fellowship** Summer 2015
*For undergraduate research: “Quantitative image processing of the *Drosophila* neuromuscular junction”*

SERVICE AND OUTREACH

- Graduate Student Mentor** Fall 2019 – Spring 2020
Served as a peer mentor to a first-year graduate student at UNL
- UNL AMS Graduate Student Chapter Secretary/Treasurer** Fall 2019 – Spring 2020
- Great Plains Alliance Supporting Student** Spring 2020
Served in a support role to a graduate student speaking at Dordt University
- Volunteer at the Nebraska Conference for Undergraduate Women in Mathematics** Spring semesters 2018 – 2020
- Volunteer at Nebraska Math Day** Fall semesters 2017 – 2019

TALKS AND PRESENTATIONS

Talks at UNL Seminars

- *Random graphs for fun and profit*
UNL Discrete Math Seminar February 2020
Matemáticas en español March 2020
- *Quantum computing amateur hour!*
UNL Discrete Math Seminar December 2019
- *A vertex Maker-Breaker game*
UNL Discrete Math Seminar February 2019
- *Bounds on some size-Ramsey numbers*
UNL Discrete Math Seminar September 2018
UNL Graduate Student Seminar August 2018

Posters

- *Convolutional neural networks in image processing*
Nebraska Conference for Undergraduate Women in Mathematics February 2017

CONFERENCES ATTENDED

- Graduate Research Workshop in Combinatorics**, University of Kansas; Lawrence, KS June 2019
- AMS Sectional Meeting**, University of Michigan; Ann Arbor, MI October 2018