LEILANI PAI

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leilani314.github.io

EDUCATION

PhD coursework in Mathematics   *in-progress*
University of Nebraska – Lincoln; Lincoln, NE
Advisor: Xavier Pérez Giménez

MS in Mathematics   May 2019
University of Nebraska – Lincoln; Lincoln, NE

BA in Mathematics   May 2017
University of Southern California; Los Angeles, CA
Minor in Computer Science

TEACHING EXPERIENCE

As **Instructor of Record** at UNL:
- MATH 102 – College Trigonometry   Fall 2020
  This course was delivered in a "split-synchronous" hybrid format.
- 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 delivered 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:
- **Associate Convener** for MATH 102 at UNL   Fall 2020
  *Coordinated six sections of a trigonometry course, including
  managing weekly instructor meetings and writing common exams*
- Trigonometry **Content Specialist**   Fall 2020
  *Organized and led meetings to discuss math- and trigonometry-
  specific content with undergraduate Learning Assistants*
- **MRC Counselor** at UNL   Fall semesters 2017-2020
  *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 – Fall 2020
Served as a peer mentor to a first-year graduate student at UNL

Graduate Advisory Committee Graduate Student Member — Fall 2020

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 – 2020

TALKS AND PRESENTATIONS

External Talks
- *Games, graphs, and managing our expectations*
  Wayne State College Math Club — October 2020

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

AMS Sectional Meeting, Online   October 2020

Nebraska Open Access Materials Online Workshop, Online   July 2020

Graduate Research Workshop in Combinatorics, University of Kansas;
    Lawrence, KS   June 2019

AMS Sectional Meeting, University of Michigan; Ann Arbor, MI   October 2018