

ADRIANA M. ORTIZ AQUINO

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EDUCATION

PhD in Mathematics *Kansas State University* *May 2024*
Advisor: Nathan Albin
Thesis: Modulus of edge covers, fractional edge covers and stars

BS in Discrete Mathematics *University of Puerto Rico, Rio Piedras* *Spring 2018*

GRADUATE CERTIFICATES

Graduate Certificate in Data Analytics *Fall 2022*
Business Capstone Project with Centralized Supply Chain Services *Spring 2022*

Graduate Certificate in Applied Mathematics *Spring 2021*

INDUSTRY EXPERIENCE

Lawrence Livermore National Laboratory Livermore, California *Summer 2020*
Intern at the Data Science Summer Institute

PUBLICATIONS

“Modulus of Edge Covers and Stars”, *arXiv:2309.13180v2 [math.CO]*. *Fall 2023*

“Predicting Graph Categories from Structural Properties”, *arXiv:1805.02682v1 [cs.SI]*. *Fall 2018*

RESEARCH PRESENTATIONS

Invited Talks

The SIAM Central States Section Conference in Lincoln, Nebraska *Oct. 2023*

The SIAM Central States Section Conference in Stillwater, Oklahoma *Oct. 2022*

Talks

Kansas State University NODE Meeting *Feb. 2024*

Joint Mathematics Meetings *Jan. 2024*

Kansas State University NODE Meeting *Sep. 2023*

Kansas Mathematics Graduate Student Conference *Apr. 2023*

Kansas State University NODE Meeting *Sep. 2022*

Kansas State University NODE Meeting *Jul. 2022*

The SACNAS National Diversity in STEM Conference *Oct. 2020*

Posters

SIAM Conference on Applied and Computational Discrete Algorithms *May 2023*

The SACNAS National Diversity in STEM Conference *Oct. 2022*

The SACNAS National Diversity in STEM Conference *Oct. 2017*

AWARDS AND HONORS

Hostinsky Outstanding Graduate Teaching Assistant in Academics Award. October 2023.

Featured in The Lathisms Hispanic Heritage Month Calendar: “Lathisms: Latinxs and Hispanics in the Mathematical Sciences”. September 2023.

William L. Stamey Award for Graduate Teaching Assistant. February 2023.

K-State College of Arts & Sciences Nominee for the Midwest Association of Graduate School award.

The Sylvia T. Bozeman Predoctoral Fellowship, Mathematically Gifted and Black, 2020-2021 Academic Year. Awarded \$200.

Timothy R Donoghue Leadership Scholarship. Awarded \$2400 per year. Fall 2018 - Spring 2020.

Outstanding Research and Presentation Award at The SACNAS National Diversity in STEM Conference. Fall 2017.

FUNDING

Graduate Student Council

- Awarded \$300 to attend The 8th Annual SIAM Central States Section Conference *Fall 2023*
- Awarded \$400 to attend The 7th SIAM Central States Section Conference *Fall 2022*
- Awarded \$250 to attend SACNAS National Diversity in STEM Virtual Conference *Fall 2021*

College of Arts & Sciences

- Awarded \$400 to attend the Joint Mathematics Meetings *Spring 2024*
- Awarded \$400 to attend the SACNAS National Diversity in STEM Conference *Fall 2022*

PROFESSIONAL DEVELOPMENT

Undergraduate Mentoring

- Tinashe Sekabanja, Directed Reading Program on an Introduction to Data Mining: Spring 2023.
- Research Experience for Undergraduates (REU) Graduate Student Helper: Summer 2022.
- Christopher Loura, Directed Reading Program on the p -Modulus of Networks: Fall 2021.

Service and Outreach

- Co-organizer of the NODE Research Group Meetings: Fall 2023 and Spring 2024.
- Math Alliance - Kansas State University Representative; Field of Dreams Conference: Fall 2022.
- Volunteer instructor and organizer for Sonya Kovalesky Day, an AWM Event for middle school girls: Fall 2021, Spring 2023, and Spring 2024.
- Co-organizer of the orientation week for incoming students: August 2021.
- Volunteer for STEM Day event with an aim to educate on STEM topics and careers to children from underrepresented groups in Manhattan, KS: May 2021.
- Co-organizer of recruiting events for prospective graduate students: April 2021.
- Volunteer instructor for Girls Researching Our World (GROW) event: October 2019.

Leadership

- President of the K-State Society for Advancement of Chicanos/Hispanics and Native Americans in Science Chapter: Spring 2021 - Fall 2023.

- Secretary of the K-State Society for Advancement of Chicanos/Hispanics and Native Americans in Science Chapter: Fall 2021.
- Treasurer for the K-State Association for Women in Mathematics Chapter: Fall 2019 - Spring 2020.

CONFERENCES AND WORKSHOPS ATTENDED

- Kansas Mathematics Graduate Student Conference *Apr. 2024*
- Kansas Mathematics Graduate Student Conference *Dec. 2023*
- Math Alliance Field of Dreams Conference *Nov. 2022*
- MSRI Summer Graduate School, *Jul. 2021*
Mathematics of Big Data: Sketching and (Multi-) Linear Algebra

TEACHING EXPERIENCE

Master Graduate Teaching Assistant, Kansas State University *Fall 2018 - Present*
Department of Mathematics

Coordinator

- First Year Seminar College Algebra Coordinator (Fall 2023, Fall 2022)
- Analytic Geometry and Calculus II Coordinator (Summer 2021)

Main Instructor

- General Calculus and Linear Algebra Lecturer (Fall 2021)
- College Algebra Workshop Instructor (Fall 2021, Fall 2020, Fall 2019)

Recitation Instructor

- Putnam Seminar (Fall 2023)
- Ordinary Differential Equations Lab and Recitation Instructor (Spring 2022)
- Analytic Geometry and Calculus II Recitation Instructor (Spring 2021, Spring 2020)
- Applied Matrix Theory Lab Instructor (Fall 2020)
- Analytic Geometry and Calculus I Recitation Instructor (Fall 2019, Fall 2018)
- Traditional College Algebra Recitation Instructor (Summer 2019)
- Studio College Algebra Recitation Instructor (Spring 2019)

Math Instructor, National Action Council for Minorities in Engineering, Inc. *Summer 2023*
National Virtual Bridge Program

- Calculus 1 Coordinator and Instructor

PROFESSIONAL MEMBERSHIPS

Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS)
Association for Women in Mathematics (AWM)
American Mathematical Society (AMS)

TECHNICAL SKILLS

Computer Languages	Python, Matlab, R, C++
Learning Management Systems	Canvas
Spoken Languages	Spanish (Native), English (Fluent)