Jennifer Zhu

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🖧 *https://jenniferz42.github.io/*

Education

2021 - present	**PhD, Pure Mathematics - Quantum Information**, *University of Waterloo*.
2019 - 2021	**PhD, Mathematics**, *Texas A&M University*.
2015 - 2018	**Bachelor of Arts, Mathematics**, *University of California, Berkeley*.

Research Interests

Operator algebras, quantum information theory.

Papers

The Bullet Problem with Discrete Speeds. B. Dygert, M. Junge, C. Kinzel, A. Raymond, E. Slivken, J. Zhu. *Electronic Communications in Probability*, Volume 24, Issue 27 (2019), pp. 1 - 11. (Result of a REU during 2016.).

Talks

Jun 25, 2021	**Mermin-Peres Magic Square Game**	
	Texas A&M REU: Graduate Student Talks	Texas A&M University (online)
Oct 10, 2020	**What Can We See Through Our Hahn-Banach-ulars?**	
	A Gathering in Graduate Expository Mathematics (GIG'EM) Conference	Texas A&M University (online)

Awards

2021	**Provost Doctoral Entrance Award for Women**	
	$2500; non-recurring	University of Waterloo
2019 - 2021	**R.E. Basye Graduate Merit Fellowship**	
	$32,000 stipend the first year with no duties, additional $7800 per year for five years	Texas A&M University

Teaching

Spring 2021	**Recitations**, Math 152: Engineering Mathematics II (4.23/5)	
	Proctored and graded tests, created review material based on lecture notes, answered questions in class, by email, and via Piazza. Rating based on fostering an effective learning environment, effectiveness of teaching methods, helpfulness of online materials.	Texas A&M University

Fall 2020	**Recitations**, Math 147: Calculus I for Biological Sciences (3.96/5)
	Proctored and graded tests, created review material based on lecture notes, answered questions in class and by email. Rating based on fostering an effective learning environment. Texas A&M University

Service

Conferences

Fall 2020	**Advocating for Students of Color**	AMS (online)
Nov 20 - 22, 2020	**AMS paraDIGMS Fall Conference**	IMSI (online)

Leadership

	American Mathematical Society Graduate Student Chapter	Texas A&M University
2020 - 2021	Treasurer	
	TAMU Math Graduate Student Diversity Committee	Texas A&M University
Spring 2021	Vice President	
Fall 2020	Co-founder	

Mentorship

	Directed Reading Program (DRP) Mentor	Texas A&M University
Fall 2020	Guided an undergraduate through applications of linear algebra to mathematical biology.	

Membership

Spring 2020 - present	**Operator Algebras Mentor Network (OAMN) Mentee**

Outreach

Spring 2021	**Math/Stats Fair Volunteer**
	Texas A&M University

Workshops Attended

August 27, 2021	**OAMN Mentorship Training: Diversity, Equity, and Inclusion**
	Participated in a workshop led by Dr. Chandra Erdman and Erin Brown highlighting mentors can use their advantages to mitigate disadvantages mentees might face.
June 21 - July 30, 2021	**Math-to-Industry Boot Camp** IMA, University of Minnesota (online)

- Intense six-week program providing PhD students in mathematics necessary skills to work outside of academia.
- Took short courses on Python, R, data analysis, machine learning, stochastic modeling, optimization.
- Participated in team and leadership building exercises.
- Worked in a team to predict energy generated by hydroelectric dams in Brazil using Github to share code and data.

Jun 29 - Jul 19, **Groundwork for Operator Algebras Lecture Series** University of Michigan
2020 **(GOALS)** (online)