

# Serena Su

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## EDUCATION

TEXAS TECH

Lubbock, TX

Doctor of Philosophy, Applied Mathematics

AUGUST 2024 - PRESENT

STOCKTON UNIVERSITY

Galloway, NJ

Bachelor of Science in Mathematics, Minor in Computer Science

2021- 2024

Organizations: Math Club, Pi Mu Epsilon (President), Circle K, Stockton Women in Math (SWIM)

GPA: 3.97, Summa Cum Laude, Program Distinction

## TEACHING EXPERIENCE

STOCKTON UNIVERSITY

Galloway, NJ

EOF Mathematics Tutor

June-July 2024

- Help a diverse body of low-income students in a wide range of math topics during EOF Summer Academy.

Mathematics Tutor

SEPTEMBER 2022 - May 2024

- Patiently help with improving students' mathematical skills and achieving academic goals.
- Provide comprehensive assistance to students across a range of courses, including courses such as Calculus and Linear Algebra.

STOCKTON UNIVERSITY

Atlantic City, NJ

EOF Math Instructional Assistant

JULY 2023 - August 2023

- Worked as a TA for Intermediate Algebra during EOF Summer Program.
- Facilitated and lead assigned course module – a workshop linked to the course to provide additional assistance and academic support .

## VOLUNTEER EXPERIENCE

STOCKTON UNIVERSITY

Galloway, NJ

Mathematical Mayhem

2022 - 2024

- Help with annual math mayhem to guide and proctor high school participants in the competition.

ATLANTIC CITY FREE PUBLIC LIBRARY

Atlantic City, NJ

Teen Advisory Group (TAG) Volunteer

JULY 2018 - JUNE 2021

- Aided with tasks such as coordinating and managing events, decorations, and shelving.
- Notable Events: National Night Out, Book Readings Videos (during pandemic), Maker's Day

## RESEARCH

MEASURING THE AREA OF LAKE FRED WITH CALCULUS METHODS

2022-2024

ADVISOR: DR. CHIA-LIN WU

ABSTRACT: The objective of this research project is to calculate Lake Fred's area measurements using Calculus II and III techniques. The primary goal of this project is to provide a current and precise measurement of Lake Fred's area, which can be compared with historical data to track any changes in the lake's size.

TOPICS: INTEGRATION, GREEN'S THEOREM, CUBIC SPLINE, DELAUNAY TRIANGULATION (FOR 3D MODELING)

## PRESENTATIONS

STOCKTON UNIVERSITY

Galloway, NJ

- Math Seminar

November 2022, 2023

## MEMBERSHIPS

- Pi Mu Epsilon (President)
- Mu Alpha Theta

April 2023 - May 2024

April 2019 - June 2021

## HONORS AND AWARDS

- Dean's List 2021-2024
- NJUMC - Honorable Mention April 2023

#### SKILLS

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- Intermediate proficiency in Java, Python, HTML, CSS, Javascript, LaTeX, and Maple.