Serena Su

Lubbock, TX • sesu@ttu.edu • (609) 334 - 4830

EDUCATION

TEXAS TECH	**Lubbock, TX**
Doctor of Philosophy, Mathematics *(track: 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 International
- Summa Cum Laude, Program Distinction

TEACHING EXPERIENCE

TEXAS TECH UNIVERSITY	**Lubbock, TX**
Teaching Assistant	**August 2024 - Present**

- Fall 2024 - Mathematics Tutor

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 .

RESEARCH

ANALYSIS OF LAKE FRED WITH CALCULUS METHODS AND DATA VISUALIZATION	**2022-2024**

ADVISOR: DR. CHIA-LIN WU (STOCKTON UNIVERSITY)

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

TALKS/PRESENTATIONS

STOCKTON UNIVERSITY	**Galloway, NJ**

- Math Seminar — November 2022, 2023

MEMBERSHIPS

- Society for Industrial and Applied Mathematics (SIAM)	August 2024 - Present
- Pi Mu Epsilon (President)	April 2023 - May 2024

HONORS AND AWARDS

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

SKILLS

- Programming languages (some experience): Java, Python, HTML, CSS, Javascript
- Mathematical Languages: Maple, LaTeX