

Barbara Schweitzer

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EDUCATION

Syracuse University iSchool | Master of Science in Applied Data Science

- GPA: 4.0/4.0

Online

Expected October 2021

State University of New York at Geneseo | Bachelor of Science in Mathematics

Geneseo, NY

- GPA: 3.63/4.0

Graduated May 2020

Honors: Trasher/Snow Mathematics Endowed Scholarship Recipient; Phi Eta Sigma Inductee, Fall 2017

RELEVANT COURSEWORK

Marketing Analytics | Data Analytics | Database Management | Macroeconomics | Microeconomics | Business Analytics | Probability | Statistics | Data Analysis and Decision Making | Financial Accounting | Information Security | Natural Language Processing | Information Visualization | Accounting Analytics | Quantitative Reasoning

EXPERIENCE

Math Learning Center Tutor

Jan. 2018 - May 2020

State University of New York at Geneseo | Geneseo, NY

- Aided other undergraduates in courses ranging from introductory college level math to upper level, major specific courses.
- Worked alongside other student tutors to answer questions from multiple students at a time.
- Assisted with understanding the material and working towards students' own solutions.

Teaching Assistant

Aug. 2019 - Dec. 2019

State University of New York at Geneseo | Geneseo, NY

- Held weekly review/homework sessions for students in the Calculus III course.
- Students came to ask for help with problem sets or general review material.
- Assisted with grading problem sets and quizzes completed in the course

Sales Advisor

June 2019 - Aug. 2019

HE&M | Middletown, NY

- Assisted customers by answering questions and finding items they wanted.
- Responsible for the cash register.
- In charge of large tasks, including creating displays and price checking items, to be completed in a timely manner.

RESEARCH EXPERIENCE AND SERVICE PROJECTS

Undergraduate Research Assistant

May 2018 - Aug. 2018

State University of New York at Geneseo | Geneseo, NY

Hired to work with Dr. Cesar Aguilar on his research of Algebraic Graph Theory. Analyzed anti-regular graphs and their adjacency matrices to find characterizations of their eigenvalues. Utilized Python to analyze data.

Key Accomplishments:

- Published a paper titled "*Spectral Characterizations of Anti-Regular Graphs*".
- Presented the research at the Nebraska Conference for Undergraduate Women.

Mathematics Research Weekend Participant

January 2018

State University of New York at Geneseo | Geneseo, NY

Selected to participate in the yearly program in the Mathematics Department. Worked with Dr. Pamela Harris of Williams College and other SUNY Geneseo students to study lattice points. Formulated multiple theorems.

Key Accomplishments:

- Presented the research at SUNY Geneseo Great Day
- Published a paper titled "*On Lattice Point Weak b -Visibility*".

AWM Speaker Series

Feb. 2019 - May 2019

Worked closely with Dr. Karoline Pershell, Executive Director at Association for Women in Mathematics, on a speaker series designed to inform undergraduate students and university faculty of the job opportunities in Mathematics. Contacted women in Mathematics related fields and organized video conferences with AWM Student Chapters around the country.

SKILLS

| LaTeX | R | Microsoft Excel, Outlook, PowerPoint, Word, Access | Python | G-Suite | Basic Skills in Power BI and SQL |