CAITLIN M. ROOS

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SKILLS & ABILITIES

Python, MATLAB, LATEX, some experience with R, Organized, Detail Oriented, Customer Service, Teamwork

HONARS & AWARDS

President's List, Spring 2022 semester

Awarded to students that maintained a 'perfect' 4.0 GPA while being enrolled for at least 12 credit hours that semester.

Dean's List, Fall 2022 and Spring 2024 semesters

Awarded to students that maintained a GPA between 3.5 and 3.99 while being enrolled for at least 12 credit hours that semester.

EDUCATION

SUNY Geneseo,
Bachelor of Science in Applied Mathematics with a Minor in Data Analysis

I will be graduating in December 2025,I have maintained a 3.4 GPA despite my rigorous course load, while also working 4 days a week and participating in various campus organizations.

PROJECTS & PRESENTATIONS

Fish Sustainability:
Modeling the population of chinook salmon in Lake Ontario,

My final project for my Differential equations class, I consulted the DEC website and looked at how the way in which the state stocks and monitors chinook salmon in Lake Ontario , in addition to recreational harvesting, affects the salmon population. I presented my results in a formal class setting.

A Least Squares Model for Human Hearing:
The Ear as a Fourier Transformer

My final project for my Linear Algebra II, class looking at how the human ear interprets incoming, complex, sound waves, by breaking them up and sorting them into simple periodic waves and then actually 'hearing' them. So, we can think of the ear as a Fourier Transformer, a mathematical operation that takes a function representing a signal in the time domain and converts it into a function representing the signal's constituent frequencies. My results were presented and evaluated in a formal lecture setting.

Topology:
Dynamic Systems and Chaotic Functions

This project was research done to teach this subject to my peers rather than reading this chapter of our text. I first went over what a dynamical system was in terms of our topological standpoint, I then focused on topological chaos and finally brought the two together and discussed chaotic topological systems, with multiple visual examples.

EXTRA-CURRICULAR

Organizations:

Member of AWM (association of women in mathematics)

Member of PRISM (pursuing rewards in the study of mathematics)

Member of Partners for Sustainability; a network I am part of through Starbucks with a primary goal of cutting the companies total water and carbon footprint in half by 2030.

LEADERSHIP

Trainer

I was promoted to a Barista Trainer in March of 2023, and have since had 12 trainees, I am one of the very first people that a new hire meets and gets to interact with at our store. It is so exciting to help facilitate new experiences and learning for others, and to prepare them to join our wonderful team.

EMPLOYMENT HISTORY

Shift Supervisor, Starbucks
June 12, 2025 – Present

When I was promoted to shift supervisor my daily work activities changed drastically, rather than being focused on making drinks/food for our customers I was shifted into a mindset of ensuring my baristas are informed and prepared to best serve our customers, whether that be through running breaks, tracking sales numbers, relaying messages from upper-management, cash-handling tasks, and of course stepping in to support them crafting beverages to ensure our customers satisfaction.

Barista, Starbucks
October 5, 2021 – June 12, 2025

Being a barista at Starbucks has helped me develop many useful skills that can be used in any workplace. Such as, the ability to work well under pressure with high customer traffic, how to take initiative and work well independently, an eye for detail, how to be flexible and work well with a team, how to utilize the resources provided to me to be knowledgeable of health, safety, and hygiene in the retail environment, and an ability to multitask while taking orders, making drinks, ringing up customers and answering customer questions.