Nicole Sorensen

LinkedIn: https://www.linkedin.com/in/nicole-e-sorensen/ ◆ 818-447-9537 ◆ Email: nicole@allegromedia.com

EDUCATION

Carnegie Mellon University - Pittsburgh, PA
Bachelor of Science**:** Statistics And Machine Learning, Expected in 05/2026
3.93 GPA
Dean's List, High Honors [Spring and Fall 2023]
Relevant Coursework: Methods in Statistics and Data Science, Statistical Graphics and Visualization, Fundamentals of Programming and Computer Science, Multivariate Analysis, Matrix Algebra, Principles of Imperative Computation, Concepts of Mathematics, Integration and Approximation

RESEARCH EXPERIENCE

Diplomatic Agreements Project, *01/2023 - Present*

- Helped Professor John Chin with data scraping using Python, and data cleaning, entry, and management in Excel for his research on US diplomatic agreements.

PROFESSIONAL EXPERIENCE

Chipotle Crew Member, *01/2022 - 08/2022*

- Served customers by preparing food and working as a cashier.

Reading Tutor, *05/2023 - 08/2023*
Lindamood-Bell Learning Processes – Pasadena, CA

- Provided one-on-one reading instruction to over 50 adolescents with diverse learning needs.
- Implemented personalized teaching methods designed to efficiently advance students through targeted curriculum objectives.
- Motivated student learning by building rapport and using positive reinforcement strategies.

PROJECTS

Do Parents and Diet Make a Difference in Young Adult Health? Data Visualization and Analysis of National Longitudinal Data, *11/2023 - 12/2023*

Collaborated with classmates to visualize and analyze 4 waves of 1995-2008 data from The National Longitudinal Study of Adolescent to Adult Health using R to get insights about how mental and physical health vary overtime and how they are associated with diet and relationships.

Alpacalypse: A Python-Coded 2D Survival Video Game, *11/2023 - Present*

Designed and created a side-scrolling survival video game using base Python with object-oriented programming. Implemented random cave generation using cellular automata, enemies and powerups spawning in caves using the recursive flood fill algorithm, enemies attacking player using A* pathfinding, and hand-drawn game UI.

TECHNICAL SKILLS

- R, Python, SQL
- Data Visualization
- Statistical Analysis
- Machine Learning
- Linear Algebra
- Google Sheets, Excel

CERTIFICATIONS

- “Machine Learning with Python: Foundations” (LinkedIn Learning)
- “SQL Essential Training” (LinkedIn Learning)
- “R for Data Science: Analysis and Visualization” (LinkedIn Learning)
- “Machine Learning with Python” (IBM)