Nick Starns

402-440-5274 | nickstarns.cs@gmail.com | Lincoln, NE 68588 | www.linkedin.com/in/nick-starns

Education

University of Nebraska-Lincoln, Lincoln, NE
Bachelor of Science, December 2024
Major: Mathematics, GPA: 3.987/4.0
Minor: Computer Science and Economics
Scholarships: Regents Scholarship Tuition Commitment

Related Coursework

CSCE 479: Introduction to Deep Learning, Lincoln, NE

- Discussed fundamentals relating to computer vision, natural language processing, and reinforcement learning.
- Covered regularization methods and convolutional, recurrent, autoencoder, and transformer architectures.
- Collaborated in a team to produce a reinforcement learning model to play Tetris and present our findings.

Work Experience

Sandhills Global, Lincoln NE
Business Intelligence Intern, May 2023 – August 2023

- Utilized critical thinking skills and collaboration with other data analysts to solve company objectives.
- Aggregated and visualized system metrics with PromQL and Grafana to support machine learning operations.
- Built complex SQL queries to query and filter company data to analyze and provide relevant insights.

University of Nebraska Lincoln, Lincoln, NE
Learning Assistant, August 2024 – December 2024

- Supported two 30+ student sections of Trigonometry by answering questions and walking through material.
- Communicated with class leader to plan each session according to the present needs of the class.
- Organized in-person review sessions before each exam to resolve student questions over class material.
- Participated in an undergraduate pedagogy seminar to discuss hallmark educational research and methods.

Projects

University of Nebraska Lincoln, Lincoln, NE
Nebraska Experimental Math & Outreach (NEMO) Lab, January 2024 – May 2024

- Participated in weekly meetings held by a mathematics faculty member to discuss the quantum advantage.
- Discussed mathematical formulation of quantum computing and various quantum protocols.
- Implemented quantum circuits with Qiskit software to reinforce understanding of discussed protocols.

University of Nebraska Lincoln, Lincoln, NE
Undergraduate Creative Activities & Research Experiences (UCARE) Program, May 2024 – August 2024

- Collaborated with a faculty member in the mathematics department to conduct research in knot theory.
- Examined invariants of ribbon knots by collecting data with python software to further research.
- Applied critical thinking skills in a previously unfamiliar field of mathematics to develop research skills.

Technical Skills

Programming Languages: Python, R, SQL, MATLAB, Bash, LaTeX, PromQL
Technologies: Microsoft Office, Docker, Git, Grafana, Microsoft SQL Server, Vim