

Fatemeh(Nazanin)
Hasheminejad

Data Analyst

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Willing to relocate - St. Catharines

nazanin-hasheminejad

PROFILE

I am a mathematician and data analyst with experience in statistical modeling, time series analysis, and financial forecasting, dedicated to leveraging these skills to contribute to meaningful insights and drive success in every role I undertake. I am actively expanding my financial expertise through self-directed learning and pursuing SOA exams to strengthen my foundation in actuarial science and financial analytics.

WORK EXPERIENCE

Data Analyst

07/2024 - Present

LingUp | St. Catharines

- Engineered an advanced user progress tracking system to dynamically tailor AI-driven conversations to learners' proficiency levels and interests, resulting in improved learner engagement and outcomes by leveraging Bloom's Taxonomy and statistical modeling.
- Developed a high-performance API that enhanced the accuracy of personalized learning interactions by 90%, achieving broad grammatical structure coverage through the integration of NLP tools (spaCy, patterns) and Large Language Models (LLMs).

Senior Math Reviewer, AI Training

05/2024 - Present

Outlier | San Francisco

- Developed mathematical problems and solutions to train LLMs, conducting rigorous evaluations of model outputs to ensure accuracy, enhance learning capabilities, and maintain high-quality standards.

Project: Key Information Extraction for Sea Incidents

06/2024 - 07/2024

NCIS, M2PI

- Designed and implemented a scalable system leveraging locally-run large language models (LLMs) to extract structured data from unstructured maritime incident reports, optimizing performance through advanced prompt engineering, chunking, and embedding techniques.
- Achieved high accuracy in extracting key entities (e.g., vessel details, arrest information) by evaluating multiple LLMs and enforcing strict extraction guidelines, reducing costs and enhancing data reliability compared to commercial solutions.

Statistics Instructor & Teaching Assistant

09/2023 - 04/2024

Niagara College, Brock University | Niagara Falls

- Taught courses in Statistics, Differential Geometry, Calculus, and Linear Algebra, integrating custom materials and tools (Python, Excel, Maple, Tableau) and supporting labs with hands-on applications, boosting course completion rates and evaluations.

EDUCATION

M.Sc. in Mathematics and Statistics

2021 - 2023

- Brock University
- GPA: 3.6 / 4.0

B.Sc. in Computer Science

2016 - 2021

- Amirkabir University of Technology
- GPA: 3.6 / 4.0

SKILLS

- Languages/Scripting:** Python, R, SQL.
- Applications:** Excel, Tableau, PowerPoint, LaTeX.
- Libraries:** Numpy, Pandas, Scipy, Matplotlib, BeautifulSoup.
- Knowledge:** Statistical Modelling, Time Series Analysis & Financial Forecasting, Data Structures and Algorithms.

CERTIFICATIONS

- Probability Exam**, Society of Actuaries
- Introduction to Financial Engineering and Risk Management**, Columbia University
- Practical Time Series Analysis**, The State University of New York

PUBLICATIONS

- "Equilibration of Coordinating Imitation and Best-Response Dynamics", IEEE Control Systems Letters, July 2023