Joseph Matthew Ingenito

Contact

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LinkedIn • GitHub

Education

M.S. • University of Denver
Sep 2021 – June 2023
GPA 3.63. *Relevant Courses*: Mathematics of AI and Machine Learning Seminar, Coding Theory, Statistics with R, and Probabilistic Combinatorics with Graph Theory.

B.S. • The College of New Jersey
Aug 2018 – May 2021
Cum Laude. *Honors Thesis Title*: On the Second Order Kuramoto Model of Coupled Oscillators. *Awards/Honors:* Junior/Senior Achievement Award. Pi Mu Epsilon, National Mathematics Honors Society.

Key Skills

Python (Scikit-Learn, Numpy, Matplotlib, Pandas)
Javascript
Agile Methodologies
SQL (SSMS, LINQ to SQL)
Mathematical Modeling
Statistics with R

References

Available upon request.

Objective

I seek to apply my expertise in functional analysis and statistics, along with my proficiency in software engineering and data visualization to solve complex business problems and drive data-driven decision-making. Motivated to stay up to date with the latest technologies and industry trends, continuously learning and growing while advancing my career in Data Science.

Experience

May 2022 – June 2023
Graduate Teaching Assistant • University of Denver

- Assisted two courses each term, which involved hosting four office hours and two recitation hours each week.
- Graded weekly quizzes, as well as proctored all exams.
- Delivered seven substitute lectures for various courses.

August 2018 – August 2021
Full-Stack Developer • Visual Computer Solutions

- Utilized Agile Methodologies to maintain the codebase for a workforce management platform that manages the scheduling of over 700 police departments in the country.
- Developed and implemented a scalable fuzzy string processing algorithm which improved the workflow of the entire Jobs 4 Blue division of the company, increasing the amount of extra duty jobs scheduled per day for police officers.

Projects

Machine Learning Repository

- A Python repository that contains implementations of various regression algorithms, as well as projects that use Scikit-Learn models to predict email fraud, and Titanic survival rates with datasets downloaded from Kaggle.

MUSE Research Library

- Developed a library in C++ to improve my research funded by TCNJ, which includes a custom Linear Algebra package to fit the needs of the project, and implementations of complex algorithms from Analytic Number Theory.
- Created a robust pipeline between data-collection programs in C++ and data-visualization programs in Python by using the JSON file format to store data and custom project configurations.