

Joseph Matthew Ingenito

Contact

4 Carroll Ct,
Jackson, NJ, 08527
(732) 473-8444

joseph.ingenito@du.edu

[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)
C# (.Net Framework, .Net Core)
Javascript
HTML5/CSS
Agile Methodologies
SQL (SSMS, LINQ to SQL)
RESTful API Development

References

Available upon request.

Objective

I seek to apply my three years of experience with Agile Methodologies and Full-Stack App Development to deliver the best quality software solutions in a timely and efficient manner, and in a positive work environment where I can stay up to date with the latest technologies and industry trends, advancing my career in software engineering.

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

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.

Fractal Research Library

- Designed a library in Python which provides tools to visualize complex Fractals based off a simple input format, saving time preparing posters and presentations.
- Implements an algorithm for generating such Fractals in a way that is quick and memory efficient.