Matthew Rossi

Data Scientist

(330) 550-9440 📞
matthew.rossi@miami.edu ✉
www.linkedin.com/in/matthew-a-rossi/

EDUCATION

University of Miami / Coral Gables, FL

AUGUST 2019 – PRESENT

Degrees:

Bachelor of Science in Mathematics, May 2023
Bachelor of Science in Computer Science, May 2023

Intended Additional Degree:

Master of Science in Data Science, May 2024

GPA: 4.0/4.0

Honors: Foote Fellow Honors, Presidential Scholar, Benacquisto Scholar, Lead Miami Employment Program, President's Honor Roll

WORK EXPERIENCE

Systems and Data Engineering Team Intern

Institute for Data Science and Computing

AUGUST 2021 – PRESENT

- τ Research methods in the scientific literature to apply to an unstructured dataset of cancer pathology reports. Adapt code from papers.
- τ Design and implement data engineering pipelines, employing standard ML and Git workflows.
- τ Preprocess data, apply clustering algorithms, train classification models, generate visualizations.
- τ Prepare and present scientific/technical reports.

Student Financial Intern

Student Activities Department

SEPTEMBER 2019 – DECEMBER 2021

- τ Tracked funding approvals and expenditures.
- τ Built budget templates and accounting systems in Excel workbooks.
- τ Assembled reports and data visualizations.
- τ Reduced error rate by redesigning processes for identifying and rectifying discrepancies.
- τ Programmed custom Excel Macros that increased the speed of a weekly data entry process 15-fold.

SOFT SKILLS

- τ Communication
- τ Public Speaking
- τ Problem-solving
- τ Networking
- τ Self-Direction
- τ Leadership
- τ Writing/Editing
- τ Research

LEADERSHIP EXPERIENCE

Vice President

The Politicane

- τ Co-founded UM's undergraduate political magazine. Visit thepoliticane.org!

President

Data Analytics Student Association

Teaching Assistant

Religion and Sacred Space in the Era of VR & AI

Vice President of Communications

Interfraternity Council

TECHNICAL SKILLS

Tools: Git, vim, VSCode, Jupyter, LaTeX

Languages: Python, C, R, Java, VBA, Unix

Machine Learning: Data pre-processing, Clustering, Computer Vision, Deep Neural Networks, Natural Language Processing, Classification, Regression

ML Packages: PyTorch, Tensorflow/Keras, scikit-learn, numpy, pandas, matplotlib

Software: Microsoft Excel

RELEVANT COURSEWORK

- τ Machine Learning with Applications
- τ Probability and Statistics
- τ Theory of Computing
- τ Numerical Differential Equations
- τ Numerical Linear Algebra
- τ Numerical Analysis and Methods
- τ Computing for Scientists
- τ Data Structures and Algorithm Analysis
- τ Unix & C
- τ Abstract Algebra
- τ Multivariable Calculus
- τ Advanced Calculus

HOBBIES

- τ Musician of 10+ years (specializing in Piano and Vocal Performance)
- τ Rock Climbing
- τ Personal Fitness
- τ Racquetball
- τ Reading