JORDAN NADER
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EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY   Cambridge, MA
Candidate for Master of Business Analytics, Data Science, Operations Research Center, August 2025   2024 - Present
Upcoming Courses: Advanced Analytics, Optimization Methods, Machine Learning, Deep Learning, Applied Machine Learning, Advanced Natural Language Processing, Advanced Topics in Computer Vision.

NORTHEASTERN UNIVERSITY   Boston, MA
Bachelor of Science in Mechanical Engineering   2021 - 2023
GPA: 3.92 / 4.00
Awards: Summa Cum Laude (5%), Dean's Honors List, Achievement Award Scholarship (10%), Capstone Excellence Award (1/25).

GOOGLE   Virtual
Advanced Data Analytics Professional   Fall 2023
Google Courses / Certifications: Foundation of Data Science, Get Started with Python, Go Beyond the Numbers, The Power of Statistics, Regression Analysis, Nuts and Bolts of Machine Learning, Google Advanced Data Analytics Capstone.

TECHNICAL SKILLS

Programming Languages and Tools: Python, SQL, Git, MATLAB, R, C++, JavaScript, TypeScript, Arduino.
Libraries and Frameworks: Pandas, NumPy, scikit-learn, Pytorch, Keras, NLTK, matplotlib, seaborn, TensorFlow.
Spoken Languages: English (Fluent), French (Fluent), Arabic (Fluent).

EXPERIENCE

MIT / WAYFAIR   Boston, MA
ML Scientist   Fall 2024
- Designed CNN and Transformer multimodal Hybrid architecture to develop an Image Quality Assessment model for customer review pictures accounting for item context and positioning using Pytorch.
- Applied data augmentation techniques and trained Computer Vision model increasing evaluation score (tau) vs. baseline model and GRS by over $130 million

MPR ASSOCIATES   Alexandria, VA
Nuclear Engineer   Spring 2024
- Designed data system and app for nuclear tank inspections with RAG architecture and foundation model to enhance search and filter functionalities resulting in 25+ hours reduction in searches by project.
- Developed SQL data transformation pipeline and leveraged scikit-learn to apply regression and time series analysis to predict and refine cost and schedule estimations for a nuclear reactor test bed project.
- Performed statistical analysis on neutron transport and radiation levels in reactor site using Monte Carlo N-Particle code.

JESR.io   Boston, MA
ML Scientist & Co-Founder   2024
- Incorporated community detection using the Girvan-Newman Algorithm to find community clusters in investor networks.
- Implemented machine learning algorithms for clustering and regression using Pytorch to extract valuable insights from data.

L.E.K. CONSULTING   Boston, MA
Analyst Internship   Fall 2022
- Automated data preprocessing using Python, improving accuracy and saving 60+ hours of manual work.
- Applied machine learning algorithms to support strategic recommendations and increase market access by 40%.

PROJECT AND RESEARCH EXPERIENCE

DIRECTED ASSEMBLY OF PARTICLES & SUSPENSIONS LAB (DAPS, NORTHEASTERN)   Boston, MA
Professor Randall Erb   Fall 2023
- Engineered device for in-plane thermal conductivity measurement of novel materials using Angstrom method's mathematical sine wave approximation achieving 97% accuracy in measurements with integrated systems and receiving Excellence Capstone Award.

GOOGLE   Virtual
Capstone Project   Fall 2023
- Implemented predictive models using regressions, random forest, and gradient boosted trees to forecast employee turnover.