

LUCAS ROTHMAN

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EDUCATION

Massachusetts Institute of Technology (MIT)

09/2021 - 12/2024 (Expected)

Candidate for B.S. in Artificial Intelligence and Decision Making (MIT 6-4)

Cambridge, MA

- GPA of 4.9 out of 5
- Notable Classes: Graduate Machine Learning, Quantitative Methods in Natural Language Processing, Software Systems for Data Science, Probability and Random Variables, Convex Optimization

EXPERIENCE

Databricks

05/2024 - 08/2024

Software Engineering Intern

San Francisco, CA

- Extended retrieval-augmented generation (RAG) within Databricks Assistant, allowing users to reference specific tables and providing citations for user content that the LLM used.

Almond Fintech

01/2023 - 05/2024

Data Science Intern

Cambridge, MA

- Analyzed foreign exchange and digital currency exchange rates in Python to determine how Almond can consistently make above market international money transfers.

MathWorks

05/2023 - 08/2023

Software Engineering Intern

Natick, MA

- Worked on improvements to the MATLAB editor and command window and built prototypes for modern command window tools leveraging more advanced filtering and LLM-based search capabilities.

Federal Reserve Bank of Boston

05/2022 - 08/2022

Economics Research Intern

Boston, MA

- Studied international labor market data and US firm concentration data using Python, Stata, and Excel under the direction of Dr. Braeuning.

Putnam Investments

07/2021 - 08/2021

Corporate Finance Intern

Boston, MA

- Ranked mutual fund transfer agent fees for over 100 Putnam mutual funds and modeled alternative fee structures in Excel to increase Putnam fee competitiveness while maintaining current revenues.

TECHNICAL SKILLS

- Python Data Science (NumPy, Pandas, Statsmodels, Scikit-Learn, SciPy, Matplotlib)
- Artificial Intelligence and Machine Learning (PyTorch, HuggingFace, LangChain, Databricks)
- Git, Docker, GitHub, GitLab, Jira, ClickUp
- Full-Stack Web Dev (HTML, CSS, JS, React, Node)
- Cloud (AWS, Digital Ocean, Vercel, Netlify)
- Database (MongoDB, PostgreSQL, MySQL, Milvus)

EXTRA-CURRICULAR ACTIVITIES

MIT Consulting Group (mitconsulting.group)

09/2021 - Present

- Various roles, including Co-President of the MIT Consulting Group, an MIT undergraduate organization that takes on real consulting cases, providing clients with high quality deliverables and strategic recommendations.
- Responsible for overseeing club-wide initiatives including client sourcing, case work, professional development, sponsorship, web and marketing, events, and internal operations.