Lindsay Carlin

Chicago, IL | (312) 771-0449 | lcarlin@mit.edu | [Linkedin profile](#)

Education

Massachusetts Institute of Technology   **Cambridge, MA**
S.M. Candidate, Operations Research   **September 2025-May 2027 (expected)**

Stanford University   **Stanford, CA**
B.S. Mathematics / GPA: 3.98 (4.0 scale)   **September 2021-June 2025**
- Residential Assistant 2024-2025: Planned weekly events for house of 35 students and broader Stanford community, determined budget and tracked house funding sources and expenses by quarter.

Experience

TPG   **June 2025-August 2025**
Data and Reporting Intern, Y Analytics
- Developed an automation pipeline to perform annual calculations of financed emissions in Python for 300 portfolio companies across the Credit, Collateralized Loan Obligation, and Middle-Market Direct Lending strategies.
- Conducted quantitative assessment of 200 portfolio companies' ESG compliance across two environmentally-focused investment frameworks.
- Scraped 450 utility bills across 24 sites in the U.S. Europe to perform an energy efficiency audit for a portfolio company, uncovering 20% annual energy cost savings.

Stanford Center for Teaching and Learning   **September 2022-June 2025**
Peer Math Tutor
- Math/Physics Team Lead (2023-2025): Led team of 20+ student tutors collectively offering 2500 hours of tutoring annually for Math/Physics courses at Stanford. Planned and facilitated biweekly meetings, trained and evaluated tutors, and provided feedback for continuous improvement.
- Conducted 45 hours across approximately 20 students per quarter of interactive tutoring sessions in multivariable calculus, linear algebra, differential equations, and real analysis, tailoring instruction to students' needs.
- Guided students through problem sets, broke down complex topics to enhance conceptual understanding, and collaboratively formulated customized study plans for exams.

Balyasny Asset Management   **June 2023-August 2023, June 2024-August 2024**
Data Analyst Summer Associate (2024)
- Built an improved data access layer for a trade dataset used by investment teams, leveraging Python and in-house toolchain to streamline data retrieval.
- Upgraded existing data visualizations in Streamlit by implementing dynamic filtering and broadening data coverage, expanding the product's user base to 10+ investment teams.
- Conducted analysis of trade data in Python as a predictor of company revenues for several companies to provide insights for investment teams.

Data Management Summer Associate (2023)
- Performed elementary analysis using Python and SQL to improve documentation for internal datasets, resulting in a more efficient data support process.
- Spearheaded onboarding of new datasets into BAM's data infrastructure by interfacing with vendors, creating comprehensive internal and user-facing documentation, and developing data quality checks.
- Centralized knowledge surrounding one of the firm's most widely-used datasets and presented key findings and improvements, fostering better data utilization and decision-making processes.

Lasso Solutions   **June 2022-August 2022**
Research Intern
- Constructed a comprehensive Excel model to predict greenhouse gas emissions for dairy farms, utilizing farm-specific production and management data to generate intervention recommendations and evaluating the impact of those recommendations on farm emissions, operational efficiency, and revenue.
- Pioneered research efforts to pinpoint opportunities for carbon offset projects related to cattle farming.
- Conducted thorough research into carbon offset verifiers' methodologies and requirements to evaluate the suitability and viability of potential partnerships.

The Farmlink Project   **December 2020-August 2021**
Hunger and Outreach Team Co-Lead
- Managed a 20-person team responsible for identifying recipients and orchestrating the delivery logistics of 22 million pounds of surplus produce.

- Conducted comprehensive research on the charitable food system, gaining insights into its dynamics, challenges, and opportunities, to inform strategic decision-making and improve logistics processes.
- Forged strategic partnerships with food-rescue and hunger-relief organizations, enhancing the network's capacity to address hunger.

Additional Information

- **Competencies/Certifications:** proficiency in Excel/Google Sheets, Python, SQL, R; working knowledge of Julia, C++
- **Languages:** English (native fluency), Spanish (working proficiency)
- **Interests:** Powerlifting, cooking, comedy