Mark Endicott

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EDUCATION

Michigan State University, Department of Natural Science | East Lansing, MI

Bachelor of Science, Data Science | GPA: 3.25/4.0 Fall 2026 Graduation
Minor in Information Technology

Related Coursework:
- Probability & Statistics for Data Scientists
- Computational Modeling & Data Analysis II
- Programming II
- Matrix Algebra I
- Algorithms and Data Structures

RELATED EXPERIENCE

Apollo Cooperative (SHC) | East Lansing, MI
Finance & Project Officer February 2023 – September 2025

Built dashboards in **Tableau** for house member chore tracking and reporting. Managed audits, utilities, and budgets using **Microsoft Excel**. Led 30+ projects; used **Agile methods** for team coordination and small scale sprints. Presented metrics and updates in recurring house meetings.

Michigan State University | East Lansing, MI
MOTRE Lab Research Assistant (PI: Dr. Rajiv Ranganathan) January 2023 – April 2024

Extracted and analyzed experimental task data with **Microsoft Excel** from scientific literature. Supported peer experimental design and **hypothesis testing** by piloting experiments. Visualized research via lab **PowerPoint presentations**, culminating in a poster at a major university symposium.

Biovate LLC | Cambridge, MA
Grant Analyst Intern May 2020 – Aug 2020

Analyzed NIH RePORTER data on 100+ biotech firms using **Microsoft Excel**; produced weekly visual reports on funding trends to guide biotech outreach strategy.

TOP PROJECTS

Rare-Disease Hackathon (Harvard): AI Framework for Rare Disease Mechanism Mapping

In a 5-person team, developed an **NLP** LLM-based tool with **Python** to classify gene-disease mechanisms and match therapies, streamlining pre-IND drug discovery through automated data extraction and analysis. Collaborated via **Git** and cloud-based dev tools.

Breaking Fragmentation: A Standard Approach to Motor Learning

Evaluated 64 motor learning tasks on reproducibility, scalability, and experimental rigor using Likert-scale metrics using **Microsoft Excel**; synthesized findings into a standardized framework and presented at MSU's Undergraduate Research and Arts Forum.

Algorithmic Trading in High-Volatility Markets

Backtested momentum and volatility-based strategies in **Python** for a cryptocurrency trading bot, collaborating with a senior blockchain developer to improve algorithm design and code quality. Produced data analyses comparing strategy performance to benchmarks, informing future development in high-volatility asset markets.

SKILLS

APIs | Python Data Wrangling | Excel Data Input & Validation | Excel Data Analysis | Python Programming | Git/GitHub | SQL | Statistical Modeling | Agile Collaboration | Tableau | PowerPoint | Academic Research | Project Coordination | Meeting Facilitation