

# Mark Endicott

East Lansing, MI 48823 | (810) 666-2471 | mendicott.e@gmail.com | <https://github.com/MarkEndicott2023>

## EDUCATION

---

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

**Bachelor of Science, Data Science** | GPA: 3.25/4.0  
Minor in Information Technology

Fall 2026 Graduation

**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

Managed budgets, audits, and rent/utility verification for an 18-member co-op, building metrics dashboards in Tableau and coordinating 30+ projects while facilitating bi-monthly meetings to improve transparency and member engagement.

**Michigan State University** | East Lansing, MI  
**MOTRE Lab Research Assistant (PI: Dr. Rajiv Ranganathan)**

January 2023 – April 2024

Extracted, cleaned, and analyzed experimental data using Microsoft Excel, presenting results at MSU's Undergraduate Research Forum; supported design and piloting of motor learning studies in collaboration with graduate researchers.

**Biovate LLC** | Cambridge, MA  
**Grant Analyst Intern**

May 2020 – Aug 2024

Analyzed NIH RePORTER data on 100+ biotech firms to identify funding trends and produced weekly Excel/PowerPoint reports that informed life science outreach strategy.

## TOP PROJECTS

---

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

In a 5-person team, developed an LLM-based tool to classify gene-disease mechanisms and match therapies, streamlining pre-IND drug discovery through automated data extraction and analysis.

### Breaking Fragmentation: A Standard Approach to Motor Learning

Evaluated 64 motor learning tasks on reproducibility, scalability, and experimental rigor using Likert-scale metrics; 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

---

**Technical:** API Data Extraction | Data Wrangling / Preprocessing | Data Input & Validation | Python & R Programming | Git / GitHub

**Non-Technical:** Meeting Facilitation | Research Presentation | Project Coordination | Time-Management | Mentorship & Coaching