

# Vicente Amado Olivo

---

**E-mail:** amadovic@msu.edu

**Tel:** 734-834-2193

**Research Page:** <https://vamads.github.io/>

**LinkedIn:** [www.linkedin.com/in/vicente-amado-olivo/](http://www.linkedin.com/in/vicente-amado-olivo/)

## Education

- Michigan State University**, East Lansing, MI 2021–2026 (expected)
- Pursuing Ph.D. in Department of Computational Mathematics, Science, and Engineering
  - Advisor: Prof. Wolfgang Kerzendorf
- Michigan State University**, East Lansing, MI 2017–2021
- BA, Finance. GPA: **3.85/4** – via 149 credits

## Experience

- European Space Agency - Science Directorate (Madrid, Spain)** 2023  
Machine Learning Research Internship
- Developed a novel neural network algorithm leveraging Large Language Models to achieve roughly 98% accuracy in disambiguating authors across scientific publications, using Pytorch and Huggingface.
  - Collaborated with and presented my work to 50+ space telescope mission program managers, journal editors, and machine learning experts.
- Michigan State University** 2020–Present  
Graduate Research/Teaching Assistant
- Developed a machine learning model for document classification, streamlining telescope usage tracking and saving scientists over 1000 hours annually, in python and scikit-learn.
  - Compiled a comprehensive dataset of ORCID-linked publications by cross-matching over 23 million publications with ORCID profiles, establishing a large-scale set of disambiguated researchers in physics.

## Awards and Honors

- Cum Laude Michigan State University 2021  
Graduate Office Fellowship 2023  
Metascience Travel Award  
Cosmic Connections: ML X Astrophysics Symposium Travel Award  
International Conference on the Science of Science and Innovation Travel Award 2024  
AI DMM-NRT NSF Fellowship (2024-2025)

## Publications

- Identifying Telescope Usage in Astrophysics Publications: A Machine Learning Framework for Institutional Research Management at Observatories *Subm. The Astronomical Journal* 2024  
**Vicente Amado Olivo**, W. Kerzendorf, B. Cherinka, J. V. Shields, A. Didier, K. von der Wense  
LSPO: A Large-Scale Physics ORCID-Linked Dataset for Author Name Disambiguation with Baseline Methods *Subm. NeurIPS* 2024  
**Vicente Amado Olivo**, N. Chen, J. V. Shields, B. Lu, A. Flörs, W. Kerzendorf

## Talks and Posters

- Astroinformatics (Virtual) 2021  
Peer Review Congress (Podium) | Chicago, IL 2022  
Peer Review Under Review: European Southern Observatory (Podium) | Garching, Germany 2023  
Metascience: National Academy of Science (Podium) | Washington D.C.  
Cosmic Connections: ML X Astrophysics Symposium (Podium) | New York, NY  
European Southern Observatory: AI Group Seminar (Virtual)  
European Space Agency: Machine Learning Group (Virtual)  
MSU Engineering Graduate Research Symposium | East Lansing, MI 2024  
International Conference on the Science of Science and Innovation | Washington D.C.  
NLP in Space Science Workshop (Podium) | Madrid, Spain

## Mentorship

- MSU Undergraduate Research Assistant Program 2021-Present  
Google Summer of Code 2023  
NSF ACERS REU (Best talk award 2024) 2023, 2024