Anabella Isaro

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aisaro.github.io

BIO

I am a graduate of Northwestern University's Master's program in Artificial Intelligence. My work focuses on applied machine learning, multimodal understanding, and audio generation. At Northwestern University, I contributed to the Audio Interactive Lab and the Machine Learning and Language Lab, while professionally leading large-scale software architecture and automation projects at Tyler Technologies.

EDUCATION

Northwestern University Jun 2023 – Dec 2024
MS in Artificial Intelligence, GPA 3.77/4.00

Worcester Polytechnic Institute Aug 2014 – May 2018
BS in Computer Science, GPA 3.37/4.00

PROFESSIONAL EMPLOYMENT

Lead Software Engineer Nov 2025 – Present
Architecture, Tyler Technologies

Senior Software Engineer Mar 2019 – Nov 2025
Accounts Payable, Tyler Technologies

RESEARCH EXPERIENCE

Northwestern University Sep 2023 – Present
Audio Interactive Lab, Advisor: Bryan Pardo
Machine Learning and Language Lab, Advisor: Manling Li

Worcester Polytechnic Institute Aug 2017 – May 2018
Emutivo Lab, Advisors: Prof. Emmanuel Agu, Elke Rundensteiner

AWARDS

CSGrad4US Fellowship — National Science Foundation 2026–2029

PUBLICATIONS

- A. Dogrucu, A. Perucic, A. Isaro, D. Ball, E. Toto, E. A. Rundensteiner, E. Agu, R. Davis-Martin, and E. Boudreaux, "Moodable: On feasibility of instantaneous depression assessment using machine learning on voice samples with retrospectively harvested smartphone and social media data," Smart Health, vol. 17, pp. 1–17, Apr. 2020. DOI: 10.1016/j.smhl.2020.100118.

TALKS

Optimizing Architecture and Workflow Automation in Public Sector Software May 2022
Tyler Connect 2022 — Tyler Technologies Annual User Conference, Indianapolis, IN

TEACHING

Instructor — Digital Media Academy:

- Introduction to Artificial Intelligence with Python
- Object-Oriented Programming with Java
- Mobile App Development with Swift
- Applied Data Science and Machine Learning