

# Anabella Isaro

Anabellaisaro2025@u.northwestern.edu

## 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

---

<b>Northwestern University</b> MS in Artificial Intelligence, GPA 3.77/4.00	Jun 2023 – Dec 2024
<b>Worcester Polytechnic Institute</b> BS in Computer Science, GPA 3.37/4.00	Aug 2014 – May 2018

## PROFESSIONAL EMPLOYMENT

---

<b>Lead Software Engineer</b> Architecture, Tyler Technologies	Nov 2025 – Present
<b>Senior Software Engineer</b> Accounts Payable, Tyler Technologies	Mar 2019 – Nov 2025

## RESEARCH EXPERIENCE

---

<b>Northwestern University</b> Audio Interactive Lab, Advisor: Bryan Pardo Machine Learning and Language Lab, Advisor: Manling Li	Sep 2023 – Present
<b>Worcester Polytechnic Institute</b> Emutivo Lab, Advisors: Prof. Emmanuel Agu, Elke Rundensteiner	Aug 2017 – May 2018

## AWARDS

---

<b>CSGrad4US Fellowship</b> — 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

---

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

## 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