

Anabella Isaro

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aisaro.github.io

BIO

I am a Ph.D. student in the Department of Computer Science at the University of Illinois Urbana-Champaign, where I am advised by Prof. Kim Minje. My research focuses on audio and speech AI, with interests in efficient representation learning, generative modeling, and machine learning methods for understanding and generating audio.

EDUCATION

University of Illinois Urbana-Champaign PhD in Computer Science,	Aug 2026 – Present
Northwestern University MS in Artificial Intelligence, GPA 3.77/4.00	Jun 2023 – Dec 2024
Worcester Polytechnic Institute BS in Computer Science, GPA 3.37/4.00	Aug 2014 – May 2018

PROFESSIONAL EMPLOYMENT

Lead Software Engineer Architecture, Tyler Technologies	Nov 2025 – July 2026
Senior Software Engineer Accounts Payable, Tyler Technologies	Mar 2019 – Nov 2025

RESEARCH EXPERIENCE

University of Illinois Urbana-Champaign Audio Lab, Advisor: Kim Minje	Aug 2026 – Present
Northwestern University Audio Interactive Lab, Advisor: Bryan Pardo Machine Learning and Language Lab, Advisor: Manling Li	Sep 2023 – April 2026
Worcester Polytechnic Institute Emutivo Lab, Advisors: Prof. Emmanuel Agu, Elke Rundensteiner	Aug 2017 – May 2018

AWARDS

CSGrad4US Fellowship — National Science Foundation	2026–2029
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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