

AMANDA PASLER

Researcher | Auditory Science & Music Technology

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EXPERIENCE

Research Assistant

Indiana University

September 2025 – Ongoing Bloomington, IN, USA

Supporting auditory cognitive neuroscience research through data collection, preprocessing, and statistical analysis in the Bidelman Auditory Cognitive Neuroscience Lab.

Research and Teaching Assistant

University of Miami

June 2024 – July 2025 Coral Gables, FL, USA

Oversaw collegiate instruction of an music production ensemble with AI tool integration. Developed lesson plans, and oversaw instruction of music production for middle school and high school students. Assisted in data collection and survey administration.

Studio Manager

University of Miami

August 2021 – May 2024 Coral Gables, FL, USA

Head of recording technology troubleshooting, managed studio inventory, and proctored studio licensing exams.

Licensed Pharmacy Technician

CVS Pharmacy

June 2022 – December 2024 Naples & Miami, FL, USA

Assisted pharmacists in prescription management, refills, inventory, customer service, and insurance troubleshooting.

Recording, Sound, and Video Engineer

University of Miami

January 2021 – May 2024 Bloomington, IN, USA

Engineered live sound, audio & video recordings for small and large classical, jazz, and contemporary ensembles.

RESEARCH

Otoacoustic Measurement Improvement through AI Noise Reduction

University of Miami

August 2023 – May 2025 Miami, FL, USA

Developed deep learning-based denoising models for otoacoustic emission (OAE) measurements by simulating responses with the Verhulst cochlear model and blending with patient-generated noise (e.g., breathing, swallowing, movement), improving signal-to-noise ratio and measurement reliability.

<https://scholarship.miami.edu/esploro/outputs/991032663538802976>

SKILLS

CPR & AED Certification

UI & UX Design

DSP Engineering

Dante I & II Certification

DAWS: Logic, Pro Tools, Ableton Live

C++, Python & MATLAB Experience

SPSS Statistical Analysis

Spanish: Intermediate

HONORS & AWARDS



2024 AI Song Contest Finalist

Placed 7th in the international AI song contest and performed at the award ceremony in Zurich Switzerland.



Women Who Rock Featured Artist

Selected to participate in a photography instillation by Robert Badillo in the local Miami music scene.



2025 USTAAR Grant Recipient

Received the USTAAR grant – an initiative which awards a \$10,000 grant to twenty students a year to pursue an innovative idea or business concept.

EDUCATION

M.S. Music Engineering Technology

University of Miami

August 2023 – May 2025

B.S. Music Engineering Technology

University of Miami

August 2020 – May 2024

REFERENCES

Dr. Christopher Bennett

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Dr. Tom Collins

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✉ tomcollins@miami.edu