ISABELLA HECK

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PROFESSIONAL SUMMARY

Music Engineering student with experience in “both sides of the console”.

EDUCATION

Presidential Scholar - Bachelor of Science: Major Music Engineering /Minor Electrical Engineer
University of Miami, Coral Gables, FL, 03/2028
GPA: 3.89
Coursework: Audio Electronics, Circuit theory, Timbral Ear Training, Digital Audio Theory, Intro to Programming (C++), Calculus 2

PROJECTS

- **MP3 Player** - Using ESP32 S3 Dev Board and DF Mini player. Code in Arduino IDE, Breadboard draft then designed and ordered a custom PCB (KiCad).
- **Midi Controller** - Using Arduino Leonardo and various components. Code in Arduino IDE, Breadboard draft then designed and ordered a custom PCB (KiCad).
- **Wearable Analog Metronome** - Using the NE555 timer chip and various components to build circuit that fits behind the ear. Breadboard draft and made custom PCB with SMD components (KiCad).

SKILLS

- Programming and electronics
- Audio/Video engineering
- Musician

WORK EXPERIENCE

Chief of Video
University Of Miami Recording Services, Coral Gables, FL, Aug 2025 - Current

- 40+ shows as lead video engineer. Taught and trained up to 20+ new video engineering students. Operate angles for 5 PTZ cameras with use of Tri caster system, switchers, and program recorders.

Live Video/Audio Engineer
University of Miami Recording Services, Coral Gables, FL, Aug 2024 - Current

- 60+ shows, up to 600 people in attendance as audio or video engineer for live performances at the Frost School of Music for ensembles and guest artists such as Emmet Cohen, Wycliffe Gordon, Shelly Berg, New York Voices, Take 6 and more.

Electronics Mentor/Teacher
Launchpad, Dallas, TX, Jun 2026 - Aug 2026

- Built 20+ projects with students ages 10+. Pioneered the Audio Engineering program at Launchpad. Created curriculum in how to build basic circuits, read schematics, work in Logic Pro, and play piano/guitar.

Mixing/Mastering Engineer
University Of Miami Undergrad Admissions, Coral Gables, FL, Apr 2026 - Apr 2026

- Chosen to be UM admissions recording, mixing and mastering engineer for live band recording project in Logic Pro X for promotional content.

Studio Assistant
Self Employed, Coral Gables, FL, Aug 2021 - Current

- 20+ sessions as a studio assistant (up to 8-hour sessions) for various recording sessions (Big band, Classical, Pop etc.) Dante, mic choices/placement, set up, and tear down.

Secretary

Audio Engineering Society Club/Frost Ambassadors Cl, Miami, FL, Aug 2025 – Current

- Overlook communication and info for club members. Coordinated Conference trip information.

Audio Intern

Carrera Productions, Miami, FL, Jan 2025 - Dec 2025

- 30+ channels of audio organization and alignment with video in Logic Pro X for 2hr documentary.

Volunteer Network Coordinator

Frost Ambassadors, Coral Gables, FL, Mar 2026 - Current

- Planned 10+ events alongside Frost Admission staff. Coordinated student volunteers for student panels, Frost campus tours, club events and audition days.

Audio Assistant

Absolute Entertainment Company, Dallas, TX, Nov 2023 - Jul 2025

- 10+ hour workdays. Set up and tear down of full PA, in ears, tracks, mics. Run sound with on-site troubleshooting, problem solving, timelines and clear communication with team.

Musician

Self Employed, Dallas, TX, Jan 2020 - Current

- 100+ shows as a bassist, vocalist, and bandleader playing live or studio sessions across a wide range of musical genres. Up to 3hr sets.

HONORS/ AWARDS

- Presidential Scholar (Full tuition)
- Presidents List (4.0 GPA) - University of Miami 2025
- My band picked as opener for A Boogie Wit Da Hoodie - University of Miami 2026
- Downbeat Magazine Outstanding Performance - 2023 & 2024
- Finalist - International Blues competition - Memphis, TN 2024
- Finalist -Wildflower Music Festival Battle of the Bands - Richardson, TX 2024
- Former bassist for Adrian Lyles- Dallas, TX 2021-2023
- Dante Certification

REFERENCES

Christopher Bennett (Head of Music Engineering at University of Miami): bennett@miami.edu

Susie Green (Assistant Professor of Practice in Music Engineering Technology): green.s@miami.edu