

# Patrick Lacey

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## Education

University of Miami | [August 2017 – May 2021](#)

Bachelor of Science in Music Engineering and Computer Science. GPA 3.46.

Relevant Coursework: Music Theory, Logic Design, Algorithms, DSP, Audio Electronics, and Recording / Mixing

Grammy U, AES (Audio Engineering Society), 'Cane Records, Cat 5 Music

## Experience

Stagehand | Frost Productions | [October 2022 - Current](#)

Set up sound, lighting, and visual systems for corporate events.

Venues included American Museum of Natural History, The Pierre Hotel, and Bloomingdale's.

Stage Technician | The Egg | [Summer 2018 & 2019, Jan 2022 – Oct 2022](#)

Set up live sound and monitoring systems for music events in the venue.

Helped with rigging, focusing lights, and operating spot light.

Acts included Gordon Lightfoot, Blue Oyster Cult, "Weird Al" Yankovic, and John Butler Trio.

Recording Sound Engineer | UM Recording Services | [Jan 2019 – May 2021](#)

Recorded University of Miami's Frost School of Music Classical, Jazz, and Contemporary ensembles performances which required setting up, mixing, and livestreaming the event using Sequoia and YouTube Live.

Student Intern | UM Music Engineering (MUE) Department | [September 2017 – May 2018](#)

Oversaw equipment use in computer lab and introduced weekly newsletter for students.

Supervised MUE social medias as a student ambassador.

Intern | High Peaks Sound | [Summer 2017](#)

Worked as Set-up Crew and Audio Engineer for live music events and music festivals.

Events included Friendly Gathering 2017, Pearl Palooza 2017, and Wilton ParkFest.

## Projects

Independent JUCE Projects | [Winter 2023 – Current](#)

Created multiple audio plug-in projects using JUCE's framework and multiple AI tools. Projects include an AutoPanner, Parametric EQ, Phaser/Chorus, and a Parallel Compressor.

Put The Weapons Down / Messin Around | [Winter 2020 - Spring 2021](#)

Produced, mixed, and mastered two songs for Melanie Jo. Cumulative 67k plays on Spotify.

P1 Channel Strip | [Spring 2021](#)

Designed and coded a channel strip plug-in for my capstone project using RackAFX. It consists of a tube preamp, an EQ, a noise gate, a compressor, a reverb, a delay, and input and output gain knobs.

## Technical Skills

### Programming

C++, C, JUCE, RackAFX, Visual Studio, MatLab, ChatGPT, GitHub CoPilot

### Recording Software

Ableton Live, Pro Tools, and Logic Pro, Reason

### Mixing Knowledge

Dante Routing, API/SSL Analog Boards, 5.1 Mixing, Mic Techniques