

WILL PATTERSON

TECHNICAL SOUND DESIGNER // COMPOSER // AUDIO PROTOTYPER

AUSTIN, TX

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OBJECTIVE: Product-focused audio specialist with a decade of experience shipping hardware and software tools. After scaling my hardware business to a delegated, low-maintenance operation (25k units), I am seeking a full-time role in audio prototyping or game audio. I combine high-level composition and sound design (Terrence Malick, YETI) with a proven ability to bridge the gap between creative concepts and functional C++ prototypes.

// TECHNICAL SPECIFICATIONS

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|---------------------|---|
| AUDIO & COMPOSITION | Sound Design, Linear/Non-Linear Composition, Synthesis, Electro-Acoustic Instrumentation, Tape Physics, DSP Concepts. |
| RAPID PROTOTYPING | C++ (JUCE Framework), Python (GUI/Auto), Swift (iOS), Embedded (Teensy, ESP32, Arduino). |
| FABRICATION | Fusion 360 (CAD), Blender (3D Modeling), CNC Machining, PCB Design, UI/UX Design. |

// OPERATIONAL HISTORY

GULF COAST SYNTHESIS

[2020 - PRESENT]

Independent Audio Developer (R&D)

- **SOFTWARE (DSP):** Conceptualized and built "GCS Model 8," a standalone digital tape recorder application featuring realistic physics modeling (hysteresis, wow/flutter, non-linear saturation).
- **RAPID PROTOTYPING:** Utilized AI-assisted workflows to translate complex DSP concepts into functional C++ applications, successfully bypassing traditional engineering bottlenecks to deliver working prototypes.
- **EMBEDDED:** Prototyped expressive hardware controllers using Teensy/ESP32 with custom code for sensor integration and MIDI/OSC.

Lead Product Designer & Founder

- **SCALE:** Designed, manufactured, and shipped over 25,000 units of the "Sound Stone" guitar sustainer.
- **SYSTEMATIZATION:** Systematized manufacturing and logistics, delegating daily assembly to key staff while retaining high-level oversight. Reduced personal operational load to minimal weekly maintenance while maintaining volume.
- **LIFECYCLE:** Oversaw product lifecycle from initial PCB design to injection molding and global logistics.

HIGH TIDE POST**[2014 - PRESENT]**

Freelance Sound Supervisor & Composer

- **FEATURE FILM:** Lead Sound Designer and Composer for director Terrence Malick (Song to Song, Knight of Cups, Voyage of Time).
- **CUSTOM INSTRUMENTATION:** Composed original scores utilizing custom-fabricated electro-acoustic instruments (e.g., String Armonica, electromagnetic synthesizers), bridging hardware engineering with creative expression.
- **COMMERCIAL:** Delivered broadcast-ready sound design/mix for YETI, Facebook, Coca-Cola, Adidas, IBM.

// EDUCATION_DATA

UNIVERSITY OF TEXAS AT AUSTIN**2011****Bachelor of Science in Radio-Television-Film**