

Youssef Hemimy

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EXPERIENCE

Keystone Musical Instrument, FL — DSP Lead Eng.

May 2025 - present

- Built and shipped a suite of cross-platform audio plugins (VST3/AU/Standalone) in C++/JUCE
- Ported & Optimized DSP to STM32H7 with libDaisy
- CMake multi-target builds, CI/CD for plugins and firmware.

Acoustics Masters Group, FL — Acoustics Supervisor

May 2023 - April 2025

- Acoustic Studies Management and Approvals
- Leading Internal software dev for acoustic calculations
- Remote Project management, coordination and supervision
- Primary US-KSA Liaisons

NAT Constructions, KSA — Acoustics Supervisor

December 2021 - May 2023

- Project take-offs and material acquisition
- Remote Project management, coordination and supervision
- Primary point of contact with US suppliers

Shopulus — Co-founder

January 2020 - June 2022

- Leading the MVP implementation for the VR platform
- Working on 2D to 3D Simulation Rendering AI

Bonfire Productions, FL — Founder & Chief Engineer

May 2018 - Present

- 154 Completed projects
- 5 Recording studios Acoustics design and supervision
- Psych Electro-Acoustic Opera Solutions
- Noise control in Super Bowl events and Pegasus2020
- AI Motion sensor instruments in Max/MSP and Python
- Music and Post-Production for TV/Social Media Ads

THE KITCHEN TV, Miami — Assistant Audio Engineer

June 2019 - December 2019

- Worked with Clients such as NBCUniversal, HBO, Netflix, BBC

SKILLS

- **Project management:** ProCore/Jira/ClickUp/Trello
- **Audio Programming & DSP:** Wwise, UE5, Unity, Max MSP, Pure Data, iOS/Android audio APIs, JUCE Framework, embedded DSP (C++)
- **Programming Languages:** C++, C#, Rust, TypeScript, JavaScript, Swift, C, Python
- **Machine Learning & AI:** Machine Learning with Python, TensorFlow, Keras, fine-tuning Stable Audio models, LLM integrations
- **Analytics & Monitoring:** Prometheus, Grafana, Mixpanel, GA 4, Clarity, Recharts, ApexCharts

Certifications:

- Data Ingestion with Python
- Procore Admin
- Scrum Master NASBA
- Machine Learning with Python
- Scientific Computing w/Python
- Certified XR Developer in Unity
- C# Scripting in Unity
- Unreal Engine C++ developer
- Wwise Certification
- Planning and Releasing Software with JIRA

Languages: French (1st), Arabic (1st), English (1st), Conversational Spanish

EDUCATION: Miami Int. University, Miami — B.S in Audio Production