

GREGORY SHIEL

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EDUCATION

University of Galway

Sept 2026 - May 2028

MSc. Computer Science in Artificial Intelligence (Online)

Galway, IE

- **Relevant Coursework:** Statistics for Artificial Intelligence, Principles of Machine Learning, Programming & Tools for AI.

University of Limerick

Sept 2021 - May 2025

Bachelor of Science in Music, Media and Performance Technology | Second Class Honours, Grade 1. Limerick, IE

- **Relevant Coursework:** Electronics & Software, Algorithm Design, Creative Coding, HCI, Project Management & Practice, Web Development, Multi-Media Design, Mobile Application Design, Performance Technology

PROJECTS

An Exploration of Image-Based Gestural Recognition in a Live Electroacoustic context. 2025

Python, MediaPipe Pose Landmarker, OpenCV, Max / MSP, Ableton Live

- Thesis graded A2
- Built a gesture-controlled audio system using **MediaPipe** and **OpenCV** to process live video, transmitting pose data through **Python** over **UDP** to **Max/MSP**.
- Mapped gesture data to audio effects in Ableton Live, enabling control of reverb, distortion, delay, and beat repeat during live performance.
- The thesis / project focused on themes of technological and musical expression accessibility.
- Demonstrated a series of 8 etudes, with a performance and improvisation piece.

Brio

2026

Google Cloud Platform, OpenAI SDK, Low Code Dev (Manus AI, Claude Code / Codex), PenPot, Docker

- Led a team of three developing a progressive web app for the TechIreland National AI Challenge 2026.
- Demonstrated a proof of concept using simulated wearable and training data to support recovery, nutrition, and training.
- Created interface wireframes and developed the front end using Claude Code / Codex / Manus AI tools.
- Deployed the application to GCP and used local Docker containers for development.

EXPERIENCE

Business Process/System Tester

Oct 2025 – Present

Siemens Digital Industries Software (for IGI Ltd.)

Shannon, Co. Clare

- Testing newly implemented enterprise business systems and tools for a SAP 3 to S/4HANA migration across areas such as Quoting, Master Data, Order Management, & Entitlement/Provisioning.
- Developed an internal **Tester / Test Tracking Framework** assigning 50+ employees from different capabilities & countries to various types of testing from SFT to E2E in Excel.
- Developed and maintained clear documentation of test cases, results, and identified issues.
- Collaborated with project managers, analysts, and developers to ensure effective system implementation.

Apple Salesperson

Nov 2022 – May 2025

Select – Apple Authorised Reseller

Limerick, Co. Limerick

- Delivered exceptional customer service, guiding clients through product selection, troubleshooting and purchases.
- Consistently achieved individual and team sales targets through proactive upselling and opportunity recognition, while maintaining strong product knowledge across the full Apple ecosystem.

Project Management Intern

May 2023 – May 2024

CleverKids Education

Nenagh, Co. Tipperary

- Led a STEM education program for KS1 and KS2 students. Collaborated with IT professionals and a PhD candidate in STEM Education to produce the Buzzing With Bee-Bot program, utilising familiar STEM hardware existing in schools.
- Delivered product pitches and **workshops** to primary school teachers nationally resulting in an uptake of STEM competency at a primary school level.
- Produced custom grant applications to the Department of Education resulting in over **€100,000** in revenue to the firm. Curated advertising material informing decision makers how to avail of our services.

LEADERSHIP

University of Limerick Music Society - President

Sept 2023 – Sept 2025

University of Limerick

Castletroy, Limerick

- Led a **committee** of **20+ members**, with **4 sub-divisions**, **organising weekly events** and sessions for **500+ members**.
- Won 'Best Society Event' UL Wolves Clubs and Societies Hustings 2023/2024. Represented the university at a national level at the BICS awards, placed runner up for 'Best Society Event' in A/Y 2023/2024.
- Secured the **largest budget allocation** in the Clubs and Societies budget, obtaining **equipment funding** and organising a **foreign trip** for the committee.

SKILLS

Languages: Python, C, R, JavaScript.

Frameworks/Libraries: OpenCV, MediaPipe, OpenAI SDK, Playwright

Tools/Technologies: Git, Linux, Docker, Google Cloud, Max/MSP

Web/Networking: HTTP, UDP, OSC, RESTful APIs, HTML, CSS