

GREGORY SHIEL

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EDUCATION

University of Limerick

May 2025

B.S. Computer Science, Music, Media and Performance Technology | GPA: 3.29

Limerick, IE

- **Relevant Coursework:** Electronics & Software, Algorithm Design, Creative Coding, HCI, Project Management & Practice, Web Development, Multi-Media Design, Mobile Application Design, Performance Technology
- **Clubs / Societies:** Music, Boxing, Student Council

EXPERIENCE

Business Process / System Tester

October 2025 – Present

Interesource Group (Ireland) Limited for Siemens Digital Industries Software

Shannon, Co. Clare

- Testing newly implemented business systems and tools across areas such as Quoting, Master Data, Order Management, & Entitlement/Provisioning
- Developed and maintained clear documentation of test cases, results, and identified issues
- Identified and reported system defects and inconsistencies, and assist in troubleshooting
- Collaborate with project managers, analysts, and developers to ensure effective system implementation
- Support User Acceptance Testing (UAT) with internal stakeholders
- Assist in validating end-to-end processes across cross-functional teams.

Apple Salesperson

November 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**.
- Collaborated with team members to create a seamless, welcoming in-store experience, paying **attention to detail** for cleanliness, **strong engagement** and **positivity**.

Project Management Intern

September 2023 – May 2024

CleverKids Education

Nenagh, Co. Tipperary

- Delivered **product pitches** and **workshops** to primary schools around the country resulting in an uptake of STEM competency with teachers all around Ireland.
- Utilised LLM's to mass produce **custom grant applications** to the Department of Education resulting in surplus of **€100,000** to the firm. I created custom advertising material and **short & long form video content** informing decision makers how to avail of our services.
- Lead a **proprietary 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. Created instructional educational videos on how to engage with the program.

PROJECTS

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

2025

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

- Designed a proprietary open-source machine learning sound augmentation kit using video image recognition using **Google Pose Landmark Detection Machine Learning Kit**, connecting my iPhone to my MacBook, sending data to **Max/MSP** via **UDP** in **Python**, parsing the data into **Ableton Live** where **custom MIDI Mapping** augmented live performance audio to an audience. The aim of the project is to bypass physical hardware to use sound effects such as **reverb, distortion, delay, beat repeat**.
- Designed a series of 8 etudes, with a performance and improvisation piece demonstrating the varying functionality.

LEADERSHIP

Univeristy of Limerick Music Society President

September 2023 – September 2025

University of Limerick

Castletroy, Limerick

- Led a **committee** of **20+ members**, with **4 sub-divisions**, **organising weekly events** and sessions for **500+ members**.
- 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, TypeScript, Java, Max/ MSP, HTML, CSS, JavaScript

Frameworks/Libraries: OpenPyxl, PyPy, OpenCV, UDP, Claude Code

Tools/Technologies: Linux, Git, UDP, SSH, SFTP