**Graduate Internship Programme – Job Description**

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| **Job title** | Acoustic Design Assistant for Pete Townshend Studio (SCE1) |
| **School / Department** | School of Computing and Engineering |
| **Line manager who the intern will report to** | Nino Auricchio |
| **Is this role hybrid working or permanently onsite at UWL?** | Primarily onsite at UWL, with potential for hybrid work arrangements. |

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| **Please provide a one sentence description for advertising the role on the GI website** |
| Join our engineering team as a Graduate Intern to lead the acoustic design and treatment of a specialised room for the iconic Pete Townshend collection of vintage synthesisers, gaining experience in sound engineering, acoustics and preservation of musical heritage. |

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| **Main purpose of the job** |
| The Graduate Intern in Acoustic Design will be immersed in a cutting-edge project focusing on the acoustic optimisation of a room dedicated to housing the prestigious Pete Townshend collection of vintage synthesisers and other pivotal music production equipment. This role encompasses technical, research, design, and production responsibilities aimed at enhancing the acoustic environment for both preservation and functional use of the collection. The intern will collaborate closely with sound engineering academics and the London College of Music to develop and implement approrpaite acoustic solutions. |

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| **What you will gain from this internship** |
| * Hands-on experience in acoustic design and treatment for specialised musical equipment environments.
* Expertise in the latest acoustic analysis and modelling software.
* Direct mentorship from academics in sound engineering and acoustic design.
* The opportunity to contribute to the preservation and enhancement of a significant musical heritage collection.
* Skills in project management and interdisciplinary collaboration within a professional setting.
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| **Key areas of responsibility** |
| * Conduct acoustic analysis of the designated room and identify specific acoustic challenges related to housing vintage synthesisers and musical equipment.
* Design and propose innovative acoustic treatment solutions tailored to the unique needs of the Pete Townsend collection.
* Collaborate with a team of sound engineers, music technologists, and technicians to implement acoustic design plans.
* Monitor and evaluate the effectiveness of acoustic treatments, making adjustments as needed to optimise the acoustic environment.
* Engage in research and development activities related to acoustic materials and treatment techniques suitable for musical instrument preservation and functionality.
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| **Skills/knowledge that would be desirable** |
| * Strong foundational knowledge in sound engineering, acoustics, or a related field.
* Proficiency in acoustic modeling and analysis software (e.g., CATT-Acoustic, or equivalent).
* Creative problem-solving skills and the ability to work effectively in a team.
* Excellent communication and project management skills.
* A passion for music technology, especially vintage synthesisers and their preservation.
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| **Recruitment criteria** |
| Graduate must have completed an undergraduate degree, BA/BMus/BSc/BEng/LLB etc. and be from the summer graduating class of June/July 2023.* A background in sound engineering, music technology, acoustics, or a closely related discipline is highly preferred.
* Demonstrable interest in musical instrument technology, especially synthesisers, and sound preservation.
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Updated: Jan 2024