

Job Description

Senior Technician – Games Development

Reports to: Technical Services Manager

Job Purpose

- Work as a lead technician providing specialist expertise for an area of work and provide high quality support.
- Work closely with the Technical Services Manager, and academic teams to develop technical pedagogy, make best use of existing technical resources and contribute to further development of facilities.
- Connect with relevant internal and external networks and use these contacts to enhance delivery.
- Identify appropriate personal development opportunities and actively keep up to date with relevant discipline knowledge, trends, and technology, and apply this to technical instruction and learning practices.

Main Responsibilities

Technical Instruction & Learning

- Consult with academic teams to design and deliver specialist technical instruction and learning activities in different environments such as studios, workshops, computer labs, technical studios, performance, and exhibition spaces, and online as needed.
- Take a 'front of classroom' lead in demonstrating the use of hardware, software, and other equipment in workshops and to answer questions related to those demonstrations.
- Operate technical resources to support high quality learning and teaching and research activity to enhance the student experience.
- Provide guidance and advice to students, helping students to identify and supply appropriate techniques, processes, materials, resources, and equipment to meet learning outcomes.
- Provide technical advice, guidance and assistance to academic colleagues, and external clients.
- Demonstrate the use of specialist equipment including both digital and traditional equipment as needed.

- Design and publish resource information, technical instruction, and other support material in appropriate formats for physical and virtual learning environments.
- Plan and organise materials and equipment required for instruction and practical sessions including preparation of materials and setting up of equipment ensuring that it is all working correctly .
- Advise academic staff on the purchase of specialist equipment and materials for effective learning and teaching.
- Make recommendations on best use of technical resources and future developments to meet changing needs.
- Provide guidance and training in specialist/complex technical areas.
- Work flexibly as needed to provide technical services across all academic programmes.
- Inform development of technical services to meet emerging academic needs and industry trends.
- Provide technical know-how and expertise in own area of work.
- Any other associated duties as required by the Technical Services Manager or the Head of Technical Services.

Resource Management

- Ensure that working spaces and equipment are properly maintained and kept in good order to ensure an appropriate academic and technical working environment.
- Manage the day-to-day relationships with external suppliers of equipment and materials.
- Undertake routine maintenance and repair of specialist/complex equipment including planned preventative maintenance and on the spot fixes.
- Maintain the online equipment loan logging systems, ensuring access to, and return of kit, kit maintenance and supply of related consumables.
- Maintain electronic records relating to equipment and consumables such as inventories, records of stock levels and equipment loans and cashless sale systems.
- Undertake risk assessments and take responsibility for controlling hazards and reducing risks in the workplace.
- Ensure that standards of work are fully compliant with Risk Assessments, COSHH records and the University's health and safety policies and relevant regulations.
- Resolve day to day operational problems with the Technical Services Manager.

- Assist in the planning, preparation, mounting and dismantling of exhibitions showcases and other public events.
- Contribute to the planning and development of resources and facilities to enhance learning needs, outcomes, research, and commercial activities.
- Issue of materials and equipment, including cashless sales.

Staffing & Professional Development

- Assist the Technical Services Manager with the day-to-day supervision of junior technical staff in technical resource areas.
- Act as panel member for technical staff recruitment .
- Undertake continuous personal and professional development and maintain a keen interest in technical developments that are relevant to the technical support of academic programmes.

Financial

- Operate electronic record systems related to financial administration and associated with raising purchase orders, processing invoices, recording goods received.

Committees & Working Groups

- To be a member of the University committees and working groups as required.

Person Specification

Senior Technician – Games Development

Essential

Knowledge & Experience

- Strong programming skills in C++, with experience using Unreal Engine.
- Hands-on experience with game engines, development pipelines, and creating gameplay systems including AI and physics.
- Technical expertise in managing software and hardware used in games development, including setting up and maintaining specialist labs and tools.
- Knowledge and experience of Health and Safety practices relevant to subject area, creating risk assessments and their application.

Qualifications

- Educated to degree level in a relevant subject and/or equivalent professional experience in a similar role.

Ways of Working

- Ability to apply innovative approaches to the design and delivery of high-quality programs of technical skills instruction that encourages experimentation; reflects contemporary practices and methodologies; and shows a demonstrable commitment to responsible and inclusive practice.
- Ability to manage a busy technical environment ensuring health and safety procedures are always followed.
- Ability to identify innovative and creative solutions to resolve problems.
- Ability to set personal targets and manage own workload with minimum supervision.
- Ability to supervise the workload of others
- Ability to work proactively on you own initiative, as part of a team and collaborate across different professional groups.
- Commitment to providing high quality customer service upholding the quality of user experience.

Personal Attributes

- Commitment to own personal and professional development.

- An awareness of the professional and industry requirements of future graduates.
- Demonstrates networking, diplomacy and liaison skills.
- Commitment to gaining professional recognition.
- Demonstrable interest in, and knowledge of, trajectories of technical services provision in higher education.

Desirable

- A postgraduate qualification in a relevant area.
- Advance HE Fellowship.