



Royal College of Art

Postgraduate Art & Design

JOB DESCRIPTION

Post: 3D Print & Scan Technical Instructor

Department: Technical Services

Grade: 6

Responsible to: Head of Technical Services

The Royal College of Art, the world's number one university for art and design, provides students with unrivalled opportunities to deliver art and design projects that transform the world.

A small, specialist and research-intensive postgraduate institution based in the heart of London, the RCA is a high performing, radical traditionalist in a fast paced world.

The RCA's approach is founded on the premise that art, design, creative thinking, science, engineering and technology must all collaborate to solve today's global challenges.

The College employs around 1000 professionals from around the world – professors, researchers, art and design practitioners, advisers and visiting lecturers – to teach and develop students in 30 academic programmes.

RCA students are exposed to new knowledge in a way that encourages them to experiment. Working across scientific and technical canvases and beyond set boundaries, RCA students seek to solve real-world problems.

The RCA runs joint courses with Imperial College London and the Victoria & Albert Museum. InnovationRCA, the College's centre for enterprise, entrepreneurship, incubation and business support, has helped over 50 RCA business ideas become a reality that has led to the creation of over 600 UK jobs.

The RCA GenerationRCA campaign, launched in 2019, propels the College's radical new academic vision by focusing on three key pillars: 'Place, Projects and People'. This programme sees the RCA transform its campuses and the ways in which the College teaches, researches and creates. It includes the construction of the Herzog & de Meuron-design flagship building in Battersea and introduction of future programmes centres on nano and soft robotics, computer science and machine learning, materials science and the circular economy.

Alumni include Sir David Adjaye OBE, Christopher Bailey MBE, Sir James Dyson CBE, David Hockney OM CH RA, Tracey Emin CBE, Thomas Heatherwick CBE, Lubaina Himid CBE, Dame Zandra Rhodes DBE, Sir Ridley Scott and Clare Waight Keller.

This role will work as part Technical Services, a cross-college department of technical specialists that support all Teaching, Learning, Research & Knowledge exchange at the RCA. Technical Services is one of the service divisions of IT, Library and Technical Services (ILTS), which also includes the Library, Special Collections, IT and Audio-Visual Services.

Purpose of the role:

- Providing technical assistance, guidance and instruction to students and staff working with 3D Printing or 3D Scanning at the College

Duties and responsibilities:

1. Providing technical instruction, support, advice and demonstrations in 3D Printing or 3D Scanning at the College. Assist in the running of the facility by preparing files for printing, operating machines and maintaining equipment.
2. Supporting the growth of 3D Printing & Scanning equipment, software and services across the College, including the buying and setting up of new equipment and services.
3. Ongoing learning of 3D Print & Scan Technologies as part of a dynamic team.
4. Assisting students and staff in problem solving and finding technical solutions.
5. Maintaining specialist equipment and safety and keeping accurate records.
6. Supporting College Teaching, Learning and Research activity that may require 3D Print & Scan technologies as appropriate.

Person Specification:

Essential

- Knowledge of 3D Printing processes, including the transition from 3D CAD data, through digital manufacturing, to a physical output.
- Experience of working with one of the following CAD programs or similar; Magics, Rhino, Solidworks, Artec Studio, GeoMagcis, ZBrush, Alias, Maya, Blender or Fusion360.
- Excellent communication and interpersonal skills.
- The ability to use initiative and work as part of a team.
- Excellent organisational, time management, planning and problem solving skills.
- Excellent user focus and a flexible approach.
- A practical understanding of model making techniques.

Desirable

- Some experience of working with data produced by a 3D Scanning process.

Additional Information

- Location: All three sites. Battersea, Kensington and White City.
- Salary: £31760 - £36381 per annum including London Weighting

- Normal hours will total 35 hours per week over 5 days, 9.30am to 5.30pm with an hour each day for lunch.
- 25 days annual leave, plus extended breaks at Christmas and Easter.
- A contributory defined benefit pension scheme and interest free season ticket loan are available.

PAY & BENEFITS

Pension

The Royal College of Art is a member of the Superannuation Arrangements of the University of London (SAUL) which is a contributory defined benefit pension scheme. The college will contribute a sum equal to 16% of your salary while you pay 6%.

Holiday

25 days paid leave a year plus bank and public holidays normally observed in England and Wales. In addition, the college is normally closed for six days a year, one day either side of Easter and the remainder between Christmas and New Year.

Season ticket loans

Interest-free loans are available for staff to purchase annual season tickets.

Enhanced maternity and adoption pay

Qualifying employees are entitled to enhanced maternity/adoption pay: 26 weeks' full pay, 13 weeks Statutory Maternity/Adoption Pay. This compares to the statutory provision of 90% of average pay for 6 weeks followed by Statutory Maternity/Adoption Pay for 33 weeks.

Enhanced paternity pay

Qualifying employees are entitled to two weeks' paternity leave entitlement at full pay. This compares to the statutory provision of two weeks' pay at the statutory rate.

Enhanced sick pay

Occupational sick pay after six months' service is three months' full pay/three months' half pay.

24/7 confidential support

Staff and family members in their household have access to a free, external confidential support service for work, financial, legal, family and personal problems 24 hours a day, 365 days a year.

Occupational health

Occupational Health support for the College is provided by Imperial College's occupational health service at their South Kensington Campus.

Cycle to Work Scheme

The Royal College of Art has signed up to the Cycle to Work Scheme - part of the government's Green Transport Initiative - which allows employees to make significant savings on purchasing new bikes and safety equipment.

Life Cover

Active members of the SAUL pension scheme automatically receive life cover. A lump sum of four times your salary together with a refund of your contributions and a 2/3 pension for your dependent/spouse is payable should you die whilst in employment.

Library

All staff are welcome to join the college library.

Events

All staff are welcome to attend exhibitions, lectures and private views held by academic schools and programmes.