

Contact

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www.linkedin.com/in/rachel-el-england (LinkedIn)

Top Skills

Computer-Aided Manufacturing (CAM)

Computer-Aided Design (CAD)

Model Making

Rachel England

Technical Demonstrator in Creative Arts Higher Education
Hemel Hempstead, England, United Kingdom

Summary

I am a highly motivated and experienced Creative Arts Technical Demonstrator in higher education, supporting students producing work for product and industrial design, SFX, props and scale models for Film, TV and Architecture. My main specialism is digital design and Computer Aided Manufacture (CNC routing, laser cutting and 3D printing).

I have gained extensive knowledge and expertise in a wide range of creative disciplines including but not limited to jewellery, woodwork, textiles, ceramics and CAD/CAM. My formal training has provided me with the technical skills necessary to excel in my field, while my hands-on experience has allowed me to develop a deep understanding of the practical application of these techniques.

My personal interests are in scale miniatures, specifically character buildings, where I can work with intricate details, painting, and textures. This also extends to set design for Film & TV.

I also possess strong coordination, administration and IT skills, including proficiency many creative programmes, the Microsoft suite and SharePoint. I have experience designing, building and maintaining health and safety data management systems via Office 365, ensuring that all necessary information is recorded and accessible to those who need it. I am always looking for new ways to improve processes and streamline operations, and I am adept at working with a range of software and systems to achieve this goal.

As a strong team player, I am able to collaborate effectively with colleagues and students to achieve shared objectives. I have a flexible approach to my work, and I am able to adapt to new challenges and situations as they arise. I thrive in fast paced environments and am always looking for opportunities to develop my skills and take on new responsibilities.

I am a versatile and skilled individual and am committed to providing a high level of support and service to all those I work with.

Experience

University of Hertfordshire

5 years 1 month

Technical Demonstrator

November 2023 - Present (1 year 3 months)

Hatfield, England, United Kingdom

- Teaching the safe operation of CNC routers, laser cutters, vacuum formers, bandsaws, sanders and pillar drills.
- Writing lesson plans and activity specific risk assessments, CoSHH assessment and Safe Operating Procedures.
- Providing technical support, maintenance, supervision and collaborative management of Creative Arts digital manufacturing and wood workshop (bandsaws, sanders, pillar drills, lathes, milling machine, spray booth, CNC router, vacuum former, laser cutters and 3D printers). I have a wealth of experience and knowledge in a range of 3D processes, with my area of specialism being computer aided design and manufacture. The CAM equipment that I currently work with is SLA, FDM and SLS 3D printers, laser cutters and a CNC router.
- Supervising and mentoring students and staff using the 3D workshop resources.
- Creating and coordinating health & safety databases for technical resources. This includes creating and handling Risk Assessments and Standard Operating Procedures, chemical storage and handling including COSHH assessments and assisting with chemical disposals.
- Placing orders through online procurement system across various departmental budgets.
- Providing administration support for Creative Arts Technical team and offering assistance to wider school.
- Line managing Student Casuals including reviewing and approving time sheets.

Visiting Lecturer

March 2022 - November 2023 (1 year 9 months)

Senior Technical Officer

January 2020 - November 2023 (3 years 11 months)

The Kennel Club

Administrative Officer

May 2016 - January 2020 (3 years 9 months)

London, England, United Kingdom

- Day to day administration of the Kennel Club's Assured Breeder Scheme.
- Dealing with email, post and telephone enquiries.
- Reviewing and processing customer applications.
- Data entry and management via CRM
- Generating and reviewing data reports.
- Allocation and assisting regional staff with booking visits at various locations across the UK, including expenses, transport and accommodation when required.
- Handling formal customer complaints.
- Working to UKAS compliance including managing document control systems and both internal and external audits.
- Conducting Interviews.

Education

University of Hertfordshire

PGCert LT HE, Teaching and Learning · (September 2024 - January 2025)

Central Saint Martins, University of The Arts London

Short Course, Set Design for Film & TV · (July 2024 - July 2024)

University of Hertfordshire

Bachelor of Arts - BA, Contemporary Applied Arts (Jewellery) · (September 2012 - May 2015)

Boat Building Academy

Short Course, Traditional Wooden Boat Building · (June 2024)