
CAREER PROFILE

An intelligent, creative, detail conscious CAD and graphics professional, with key experience in a wide variety of market leading software. Skilled in the delivery of effective and innovative CAD and graphics solutions to meet complex client and project briefs within tight schedules. A strong ability to work closely with project managers, with energy and enthusiasm whilst actively listening and responding to the client.

INTERPERSONAL SKILLS

- Ability to motivate and support others using well developed communication skills.
- Able to work closely with clients to produce project solutions.

BUSINESS ACHIEVEMENTS

- In my previous role, CAD data was manually recreated in third party software. I starting the implementation of an automated system that will read the CAD Meta-data from Revit and populate the necessary fields in the third party software, therefore reducing the man hours required and also eliminating the potential for human error.
- In my previous role I created a 3D animation and multi-media presentation using Revit and 3DS Max, the purpose of which was for sales meetings. The company won a £16 Million contract on the strength of my presentation.
- In a previous position, I worked closely with the sales team and developed a CAD based Rapid prototype and rendered image solutions that has contributed to the company winning a £2.5 Million contract.
- In 2013, I undertook a CAD training program that allowed all UK based CAD users (75 users) to be trained in the company's chosen CAD software to a level that is suitable for their role.
- During mid 2012 I initiated the planning and creation of a company-wide CAD Quality Management System, using process mapping software 'Microsoft Visio' and undertook Process Mapping training from Triaster.
- In 2010 I undertook a 'CAD evaluation' with the aim of rationalizing the company's two CAD systems, the recommendations of which are being used to guide the 'Global CAD unification' project.
- Whilst running my own business for 3 years, I gained a reputation as a 'can do' CAD and graphics professional, and I have continued to maintain this reputation within my current employment.
- In 2012 I identified the need/requirement to produce CAD based 3D renders/animation with in Spirax Sarco, and undertook a series of 'Proof of concept projects'. This is now being progressed through by more senior management as an immediate requirement.

KEY SKILLS

- Ability to work effectively in a group or on my own.
- Ability to work quickly and accurately under pressure.
- Ability to work to tight deadlines.
- A good imagination, with the skills and knowledge to translate ideas into various artwork/projects.
- Ability to gain inspiration from numerous sources of material or influence.

CAD CAPABILITIES

- Mechanical – Pipework and ventilation layout drawings
- Electrical – Lighting, data and power layout drawings
- General – Working with Xref's, layers, blocks and 2D and 3D drawings and models
- Specialist – Plantroom layouts

SOFTWARE

I have a practical working knowledge of:

- AutoCAD – Versions 11 - 2015
- Autodesk Revit 2015 - 2017
- Solidworks (3D CAD modeling)
- Adobe Premiere – Video production software
- Adobe Dreamweaver
- Bentley Microstation
- PTC CREO Elements Direct (3D CAD modeling)
- PTC CREO Pro. (formerly Pro. Engineer)
- Adobe Acrobat
- Autodesk 3D Studio Max
- Adobe Photoshop
- Autodesk Maya

QUALIFICATIONS : HND – Product Design

FURTHER PROFESSIONAL DEVELOPMENT

- 3D Studio Max (specializing in fluid/steam flow)
- Process Mapping training with Triaster
- AUTOCAD 2005
- Macromedia Flash (Rich Media Design)
- Neuro-linguistic programming (NLP) Diploma course

Over recent project, my main roles have been:-

- Setting up and running the company CAD standards in relation to 2D drawing and 3D modelling
- Modelling components and parts in Solidworks 2018
- Enabling the use of company models in Revit
- Training engineers to use as CAD system
- Modifying, Developing and updating the companies method for getting the CAD data into manufacture
- Streamlining the company's use of CAD in their joisted flooring system
- Creation of marketing 3-D animations (which in 2017 has won the company multi-million pounds worth of worth.
- Creation of cross company drawings (on all disciplines) in preparation for site issue.
My background as a CAD Manager in M&E services and my attention for detail have proved fruitful for Metek in ensuring that only the up to date CAD data is used. I have strived to eliminate the use of Paper copies and PDF's using the motto 'CAD is King'.
- Production of M&E, Building plan layout, Construction layout drawings, Site layout and construction drawings and Construction detail drawings.
- Site layout drawings have included RC detailing, details, plans and construction drawings for roads and highways infrastructure.
- Creation of Sections and elevations using AutoCAD and Revit
- Running and maintaining the company drawing filing and issuing system.
- Using Revit to produce 3D CAD data for construction purposes, 3D photo realistic renderings and 3D walk through/Fly-by's.
- Projects on average are £1.5 – 6 Million

