



Degrees in Industrial Design and Mechanical Engineering, formal training in Web Design and Animation, 14 years' experience in high-tech engineering and 2 years' experience in creative design.

A technical and creative mind, tuned to problem solving and clear communication. Demonstrated strengths in collaboration, skills augmentation and knowledge sharing.

Freelance designer on projects for immersive experiences, including graphics, layouts, technical copy, logo design, web site creation, 2D animation and 3D modelling.



Brighton, East Sussex, UK



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Experience

We Make Stuff Happen Ltd. – Creative Designer

November 2019 – Present

Responsible for generating creative concepts, rendered 3D content and technical construction drawings for experiential builds on a wide variety of ethical marketing campaigns.

Stephen Williams Design – Freelance Designer

July 2018 – Present

Creative and technical services in digital graphics and online content provided to local businesses, including website design and implementation, logo design and technical publications.

Edwards Ltd. – Senior Development Engineer

April 2014 – July 2018

Key member of a small “Scientific Applications & Derivatives” team; developing bespoke turbo-molecular pumping solutions for mass-spectrometry and electron microscopy customers in Europe, North America and Japan. Responsible for vacuum system simulation, stress, thermal and magnetic analysis, 3D design and product launch.

Elekta Ltd. – Industrial Engineer

September 2010 – April 2014

Delivered £1.3m savings in cost avoidance to the Crawley Linac production line, through coordination of the “A3 root-cause problem solving” process. Responsible for database assimilation, cost analysis, weekly team meetings and monthly reporting to senior management and CEO with summary presentations.

BOC Edwards Ltd. – Development Engineer

June 2002 – September 2008

Developed turbo-molecular pumps for Scientific “New Product Introduction” teams. Launched 4 products to market and became technical authority for 2 New Technology Validation projects.

Education

Greater Brighton Metropolitan College

September 2018 – June 2019

Digital Design for Web, Professional Development Certificate

Central Saint Martin’s, University of the Arts London

October 2008 – June 2010

MA Industrial Design

University of Sussex

October 1999 – June 2002

BEng (Hons.) Mechanical Engineering

University of Bath

October 1997 – June 1998

BSc (Hons.) Physics (Year 1 only)

Skills

- Vectorworks, CATIA, Rhino 3D and V-Ray rendering
- Adobe Photoshop, Illustrator, InDesign and After Effects
- Front-end web design; WordPress, Elementor and control panel
- Re-branding, logo design, graphics, colour, typography and layouts
- Microsoft Office 365; Word, Excel, PowerPoint and MS Project
- Project management, complex spreadsheet generation and VBA
- Presentation writing and delivery

Awards

- Royal Commission for the Exhibition of 1851, Student Scholarship
- British Cheese Board, packaging design prize
- Institution of Mechanical Engineers, best project prize
- Royal Navy Award, best project