

Stephen Williams

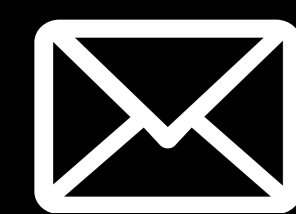
Degrees in Mechanical Engineering and Industrial Design, certificates in Web Design and Animation, over 10 years' experience in vacuum pump development, 3 years' experience in medical equipment manufacturing and 4 years' experience in creative content creation.

Both technical and creative, tuned to problem-solving, clear communication and achieving results. Demonstrated strengths in team collaboration, skills augmentation and knowledge sharing.

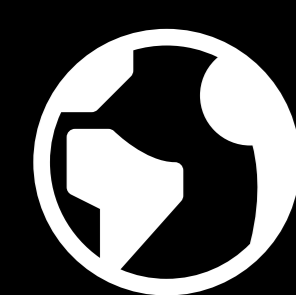
Recent work in instructional design on projects for immersive experiences, educational products and engineering; including graphic design and technical copy for instruction manuals, logo design, web site creation, film editing, 2D animation and 3D visuals (CAD).



Brighton, East Sussex, UK



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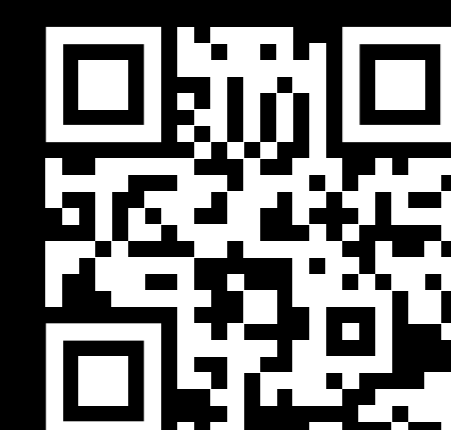
<https://stephenwilliamsdesign.co.uk>



Website



Portfolio



Products



Contact

Experience

Atlas Copco – Instructional Designer

December 2021 – Present

Design of engaging learning experiences for field service engineers in vacuum technology, for global semiconductor production facilities. Graphics, animation, technical copy and immersive XR solutions.

We Make Stuff Happen Ltd. – Creative Designer

November 2019 – December 2021

3D concept rendering and technical construction drawings for experiential builds used in ethical marketing campaigns and events.

Stephen Williams Design – Freelance Designer

July 2018 – Present

Creative & technical services in digital graphics, website design and implementation, logo design, technical publications and animation.

Edwards Ltd. – Senior Development Engineer

April 2014 – July 2018

Produced bespoke turbo-molecular pumping solutions for global mass-spectrometry and electron microscopy markets. Vacuum simulation, stress/thermal/vibration/magnetic analysis and 3D design.

Elekta Ltd. – Industrial Engineer

September 2010 – April 2014

Delivered £1.3m savings in cost avoidance through coordination of A3 root-cause problem solving. Data manipulation, cost analysis, weekly team meetings and monthly presentations CEO.

BOC Edwards Ltd. – Development Engineer

June 2002 – September 2008

Development of turbo-molecular pumps for *Scientific New Product Introduction* teams. Launched 4 new 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, 2.1

Skills

Design

- Articulate Rise & Storyline, Learning Link CMS
- Photoshop, Illustrator, InDesign, Premier Pro and After Effects
- 3D CAD: Catia, Vectorworks and Rhino; rendering in Keyshot
- Front-end web design; WordPress, Elementor and control panel

Engineering

- Finite Element Analysis, DyRoBes rotordynamics, FEMM Magnetics
- FMEA, tolerance analysis, root cause analysis, scrum/sprint
- Microsoft Office 365; Word, Excel, PowerPoint and MS Project
- Project and workload management, and advanced spreadsheets
- Presentation writing and delivery to large audiences and CEOs

Awards

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