

MICHAEL ALDRIDGE

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About.

I am a product design engineer, currently living in Glasgow. As a product design engineer I have a passion for exactly that, 'design engineering'. I am intrigued by all things technical, innovative, original and believe in a hands on approach to design.

Experience.

Freelance Design Engineer

Michael Aldridge Design Eng.
www.MichaelAldridge.com

April 2015 – Present Working under the banner of Michael Aldridge Design Engineering. I have obtained multiple design contracts with individuals and large companies on long and short term projects. As a sole trader I am responsible for sourcing contracts, project management and project fulfilment. I am finding it challenging and extremely rewarding.

4c Design

Glasgow based Product Design Engineering Consultancy.
www.4cDesign.co.uk

2010 – Mar 2015 As a product design engineer at 4c I had a diverse role involving a range of responsibilities varying from industrial design to detailed mechanical engineering projects. In my time at 4c I gained a tremendous amount of experience in design engineering, project management, manufacture and client relations. As well as a detailed knowledge of marketing, web design and video production.

GCUH Architects

Architecture office.
www.pdt.com.au

2009 – 2010 Worked on a \$1.9 billion dollar hospital off the Gold Coast of Australia, as a member of a large energetic team to confirm the final design of all departments, rooms and fixtures.

Royal Strathclyde Blindcraft Industries Furniture design and fabrication company.

2008 – 2009 Designing furniture from conception to manufacturing to customer. Working closely with manufacturing team and mass production machinery.

Varis Engineering Limited

Steel Fabrication Company
www.varis-engineering.com

Summer placement 2007 Designing and producing manufacturing drawings for varied steel structures, including floating pontoons, water treatment facilities and grain hoppers. I worked closely with design team and the fabricators.

AJ Engineering

Steel Fabrication Company
www.ajengineering.co.uk

Summer placement 2006 Designing large steel warehouses and bridges, this gave me an appreciation of the practicalities of designing for manufacture.

Unskilled Work

2000 – 2005 A number of roles from removal man to restaurant worker, taught me a strong work ethic and people skills with colleagues and clients.

Honours & Achievements.

BEEAs Award

www.beeas.co.uk

Young Design Engineer of the Year Award 2012 British Engineering Excellence Awards (BEEAS), awarded based upon projects I completed during my time at 4c Design, including an innovative electric bike design and a vaccine bottling machinery.

International Media

For work on the Queen's Baton for Commonwealth Games, focused around 4c Design but frequently featuring myself and my role in the design.

Publications

Articles about my work published in Wallpaper* Magazine [Sep 2014], Eureka Magazine [Nov 2012], BBC News [Oct 2012], Strathclyde Uni [2013, 2015]

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Qualifications.

Chartered Engineer

2014 Chartered Engineer with the IMechE, CEng MIMechE

University of Strathclyde

2003 – 2008 Product Design Engineering (MEng Hons) 2:1

California University

2005 - 2006 Participated in exchange program for one year (GPA 3.47 = 87%)

Other

Certified Solidworks Professional, awarded by Dassault Systems
Solidworks Simulation training course, awarded by TMS CADCentre
Negotiations Training, 3D Studio Max

Key Projects.

Noteworthy Design

Designing a piece of history

Queen's Baton for 2014 Glasgow Commonwealth Games I played a significant role in the design of the Queen's Baton, primarily focused upon the mechanical puzzle, titanium lattice work, documentation and design influence.

Mechanical Engineering

Patent Pending

Freeflow Electric Bike My first design to be patented, involved the engineering of a complex gearbox assembly.

Project Management

£250,000 Project

Moredun Vaccine Bottling Machine Project managed the design, fabrication and testing of an industrial machine for bottling a vaccine.

Industrial Design

Consumer Products

Tannoy Speakers Industrial designer of high end audio equipment, from residential to professional ranges.

Interests & Clubs.

IMechE

Web officer on IMechE Glasgow & South West Scotland committee.

Sport

Mountain biking, road biking and cycle touring. Rock climbing, running, skiing.

Personal

Photography, travelling, radio control drones & general geekery.

Skills.

Professional

Design engineering, industrial design, project management, knowledge of manufacturing processes, model making, prototyping and workshop.

Software

Solidworks, Keyshot, Adobe Creative Suite, Microsoft.

Other

Web design and SEO, marketing, photography, film & video editing.

References.

Portfolio and references are available upon request; they are also posted on my website at www.MichaelAldridge.com