

Martin Irwin

PhD

Finding solutions to complex tasks, a big data physicist with strong communication skills and excellent client presence, and a proven track record of project management and delivery



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WORK EXPERIENCE

Senior Scientist Cambustion Ltd, UK

05/2017 – Present

Accomplishments

- Project managed the simultaneous development of complex, cutting edge products
- Lead new product development leading to £0.35M business in first sales quarter
- Robust problem solving under pressure—lateral solutions to complex problems
- Delivery of big data both internally and to clients

R&D Scientist Cambustion Ltd, UK

Accomplishments

- Developed a completely novel product from scratch
- innovative solutions to time-critical production issues
- Understanding of a breadth of manufacturing processes

Project Scientist University of Tokyo, Japan

Accomplishments

- Provided independent research and developmental consultancy for an instrument manufacturer
- Designed, planned, physically installed, and set up the automation of an international black carbon pollution monitoring network
- Developed bespoke software tools to assimilate, analyse, and quality assure Big Data

Fellowship of the Japan Society for the Promotion of Science University of Tokyo, Japan

01/2011 – 01/2012

Accomplishments

- Negotiated a budget with the US Government (DOE)
- Developed a novel measurement technique
- Managed the laboratory, mentored students

EDUCATION

PhD in Physics University of Manchester, UK

09/2006 – 09/2010

Master of Physics (MPhys) University of Manchester, UK

09/2002 – 09/2006

SKILLS

Explanation of complex data and ideas Management

Thinking from first principles Leadership

Creativity Prioritisation of solutions and deliverables

Verbal and written communication Goal oriented

Python IgorPro Matlab Product development

PERSONAL PROJECTS

Created photography website (01/2012 – Present)

- Developed a photography website and blog to document my travels, motivate me, and improve my photography
- Over 500 followers
- www.martinirwinphotography.com

Started a private car owner's club (05/2017 – Present)

- My passion for cars is shared by many, and I took it upon myself to create a small car club
- Highlights include a 20 car convoy across Cambridgeshire into Suffolk this summer to a charity event

Created a menswear Instagram blog (01/2014 – Present)

- A fusion of my passion for classic menswear, and photography
- Offer support and advice for those unsure of style "rules"
- Over 300 followers and growing

Formed an ex-pat club at The University of Tokyo (05/2011 – 03/2013)

- Organised socials, tours, events, and general admin

ACHIEVEMENTS

JSPS Fellowship (2011)

Physics Prize (2003)

Mars© Engineering Bursary (2001)

LANGUAGES

English ● ● ● ● ●

Japanese ● ● ● ● ○

German ● ● ○ ○ ○

INTERESTS

Physics The Universe Philosophy Language

Alternative Energy Technology Climate Change