

# PATRICK JACK ROBERTSON

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## EDUCATION

**University of Bristol**, Bristol, United Kingdom **2008 – 2012**

**1st Class Honours**, Master of Engineering (MEng) in Aeronautical Engineering.  
John Deaking Prize & Royal Aeronautical Engineering prize for best 1st, 2nd and final year engineering student (90% average grade)

**University of Sydney**, Sydney, Australia **2010 – 2011**

**High Distinction**, Study Abroad (3rd Year) in Aeronautical Engineering.  
Research thesis: 'Piezoelectric Morphing Blade Wind Turbines'.

**Ysgol Tryfan**, Bangor, United Kingdom **2001 – 2008**

A-Levels: 3 As in Mathematics, Physics and Electronics.  
AS-Levels: 3 As in Further Mathematics, French and Chemistry.  
GCSEs: 8 A\*s & 2 As.

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## PROFESSIONAL EXPERIENCE

**Seed International (ASDAN China)**, Beijing, China **March 2015 – present**

*Science Programme Director*

Director of science (STEM) programmes for high school students. Worked on creating engineering and programming courses and localising international tournaments for Chinese education.

Worked in a Chinese/international office environment, communicating in English; German and Mandarin, and worked with companies, NGOs and universities from the UK and USA. Learnt about Chinese working and business culture, as well as sales, marketing and the importance of client relationships in the Chinese market.

**Welsh Technologies Unit**, Bangor University, UK **2012 – 2015**

*Welsh Technologies Research Officer*

Researched and developed Welsh language technology systems at the University of Bangor, in Wales as well as in Asia. This required the ability to learn new technologies quickly, and to be flexible to work within an educational institution.

Worked in a small team to research breakthrough language technologies and choose the most relevant and promising ones to apply them to the Welsh language. Work also involved presenting and demonstrating the technologies to the public as well as to funding bodies, and writing research papers for international conferences.

**TwoTix Limited**, UK **2012 – 2014**

*Managing Director*

Independently founded an internet startup in 2012 selling UK train tickets in an established market. Unique selling point of offering complex ticket combinations designed to save customers money (split tickets). Worked with and formed close relationships with industry professionals and designers in the rail industry. Given me a sound knowledge of business operations, contracts and market competitiveness.

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**Self Employed**, UK **Summer 2010 – 2015**

*Software Developer*

Worked as a freelance software developer for Mac, mobile and web apps in the UK and abroad. Working with clients worldwide from France, USA, Australia, the UK and more.

Independently managed client relationships and expectations across multiple timezones and responsible for prospecting new clients, finances and project time management. After growing a loyal client base, received work offers from many clients including multi-national companies.

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**WORK EXPERIENCE**      **Airbus UK**, Filton, Bristol      **Summer 2006**  
Summer placement at the a leading aircraft manufacturer. Worked at multiple departments including NDT, FE Design and Modelling, Aerodynamics and Structural testing.

**WWOOF**, Vidauban, Provence-Alpes-Côte d'Azur, France      **Summer 2009**  
Volunteer work on an isolated French organic farm in the remote Massif des Maures.

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**FURTHER EXPERIENCE**      **Quicksilver App**, Utility App for Mac (<http://qsapp.com>)      **2008 - present**  
*Project Manager and Lead Developer*

- Leader of an open source software development team of over 20 people worldwide.
- Provide customer support for over 100,000 active users.
- Manage the project's public relations and create press and media articles.

**Air Cadets**, 1557 Sqn, Bangor, Wales      **2004 – 2010**  
*Instructor Cadet Flight Sergeant*

- Supervised and organised activities, taught and recruited.
- Represented the UK abroad in Germany and Canada.
- Performed over 100 hours of community service & Charity work.
- Taught me to be presentable, self-disciplined, logical, thorough, punctual and trustworthy.

**Bangor Cathedral Choir**, Bangor, Wales      **1998 – 2005**  
*Head Chorister*

- Organised & lead over 18 fellow choristers, from the age of 7 – 14.
- Learnt to be punctual and committed, attending the cathedral 6 times a week for 7 years.

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**SKILLS**

- Multilingual: fluent in English, Welsh and French. Learning Japanese.
- Communication & people skills.
- Personal, with good listening qualities.
- Good organisation & team skills.
- Leadership & team experience.
- Full UK Driving License.
- Confident in teaching and presenting.

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**AWARDS & QUALIFICATIONS**

- Goronwy Jones Prize: Top A-level Physics Student in Wales.
- BA CREativity in Science and Technology (CREST) Silver Award.
- Silver Duke of Edinburgh Award.
- Flying & Gliding Scholarship - Solo.
- BTEC in Aviation Studies.

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**INTERESTS**

- Music; drumming, jazz bands & orchestras.
- iOS/Mac OS X Programming, web design.
- Mountaineering, ultimate frisbee, windsurfing.
- Exploring different cultures and countries.

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**COMPUTER SKILLS**

- Touch typing skills, competent with industry-standard tools and quick to learn.
- Programming Languages: C/Objective-C, Python, Java,  $\LaTeX$ , HTML5, shell scripting.
- Industry Software: Database software – MySQL/PostgreSQL, Redis, Varnish, Nginx/Apache.
- Applications: Microsoft Office (Word, Excell, Powerpoint), Adobe Photoshop, online collaboration software such as Dropbox, ownCloud, Docs etc.

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**REFEREES**      *Referees available on request.*