

## Adam Hartwell

Contact: [adam\\_hartwell@hotmail.co.uk](mailto:adam_hartwell@hotmail.co.uk)

### Education

---

#### University of Sheffield

2011 - Present

PhD Biomechanics: **Ongoing**

- **EPSRC Research Scholarship**

MEng Computer Systems Engineering: **First Class**

- **Mappin Medal** – Highest overall grade

### Employment

---

December 2011 - Present: **Multiple Roles, University of Sheffield**

Student ambassador during undergraduate degree giving tours and guiding people on open days. Currently demonstrating for several modules including helping with laboratory and tutorial sessions as well as other miscellaneous work.

June 2014 – June 2015: **Cybersecurity Research Aid, Rolls Royce**

Summer research work into the practical use of advanced error correction and cryptographic algorithms for the security of networks as well as implementation of same. Produced a report on security systems that could be used to secure a bespoke wireless network as a freelance consultant.

August 2011 - September 2012: **Software and Electronics Technician, Owlstone**

Holiday employment working closely with the electronics team to first update a parts database and then produce a web-based alternative. In addition to this I worked on several smaller projects designing and producing circuitry for use in product development.

### Other Relevant Experience

---

- Experience programming in C/C++, Java, MATLAB, Python, Assembly, HTML/PHP/CSS, Javascript and MySQL.
- Elected captain of the university's Jiu Jitsu club for the 2013/2014 academic year. This involved working with a committee of other students to handle all the club's matters from expenses to organising social events and booking training slots.
- Course Representative for 2011/2012 and 2012/2013 academic years. This involved liaising with students and passing feedback/requests/praise to members of staff at departmental meetings; I also chaired several of these meetings.
- While at Sixth Form College I was part of a student led robotics team where I worked on both the hardware and software of several different robots built to take part in competitions such as the American FIRST Robotics Competition held in New York.
- From 2007 to 2011 I was part of the Air Training Corps finishing as a Sergeant looking after and training a flight of 27 cadets.
- Ely Scheme Instructor for 2008/2009 academic year. This involved instructing and looking after younger students in a diverse range of outdoor pursuits e.g. high ropes, kayaking, archery. As part of the scheme I undertook a month long mountaineering trip to Bolivia our tallest summit being Mt Huayna Potosi at 6088m.