

# Chris Seaton

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available on request

- Academic Prizes** Hele Shaw Prize for academic record, University of Bristol, 2007  
Best Paper Award, MULTIPROG 2012  
Excellence in Innovation, NHS North West Health Innovation Awards, £5000, 2011
- Education** PhD candidate, Computer Science, University of Manchester, due to graduate 2014  
Royal Military Academy Sandhurst, 2008  
MEng, 1<sup>st</sup> class, Computer Science, University of Bristol, 2007
- Employment**
- British Army Officer**, Captain, Royal Army Medical Corps 2007–2011
- Undertook professional military training and academic study of leadership, war, defence and international affairs
  - Deployed to Afghanistan to manage medical support and casualty evacuation to a battalion of over a thousand soldiers in arduous conditions
- Sports World International**, IT Workshop and Development 2004–2005
- Managed IT systems for point-of-sale and back office at the head office of an international retail business
  - Developed a system for managing resources using a hand held scanner
- Research and Business**
- Programming Languages**
- I am interested in how programming languages allow problems to be expressed and what can be done to improve their expressiveness
  - My master thesis described a novel programming language where the syntax and semantics could be redefined at runtime, and continues to be cited
- Concurrency and Parallelism**
- I am interested in applying multi-core systems for general purpose programming
  - My doctoral work is researching how programming languages can evolve to better support these developments
- Medical Software**
- With an academic plastics research group at the University of Liverpool I developed a novel iPhone app for prescribing fluids to burns victims
  - With my colleague I set up a limited business to back the work
  - Our work has been presented at the British Burns Association and the British Association of Plastic, Reconstructive and Aesthetic Surgeons in 2011
- Leadership Experience**
- British Army**
- Worked in high stress situations with tight time and resource constraints
  - Cooperated with government departments, foreign military, non-governmental agencies and charities
  - Briefed at a high level to senior officers on casualties and military planning
  - Led teams of up to forty people with diverse skills and backgrounds
  - Instructed soldiers in their first months in training, including under 18s and people from very difficult backgrounds
- Fencing Instructor**, University of Bristol Fencing Club
- Ran beginners' classes of up to forty people twice a week for two years
  - Responsible for encouraging further participation and our main source of income
- Sporting Prizes** Full Athletic Colours, fencing, University of Bristol, 2007  
Academy Colours, fencing, Royal Military Academy Sandhurst, 2008