

Curriculum Vitae
Isaac H. C. Turner
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Academic

- *Manchester University, Computer Science (3 year undergraduate BSc), 2006 – Present*
 - Selected for a place on Manchester Gold industry mentoring scheme – involves meeting regularly with an IT professional to find out more about industry and guidance on personal development
 - Achieved 1st in First Year (scored 80%), and 2:1 in Second Year (scored 67%)
 - Courses taken include: microchip design, machine code, discrete maths, java, C, C++, operating systems, computer networks, A.I., software engineering and group work
 - 2007 Won PRAXIS prize (awarded by PRAXIS) for SPARK (code verification system) submission
- *Bootham School, York, 2004-06*
 - AS Levels: Maths A, Physics A, Chemistry B, ICT B
 - A Levels: Maths A, Further Maths D, Physics B, Chemistry D
 - Achieved Gold in UK Senior Maths Challenge, 2006
- *James Gillespies High School, Edinburgh, 1999-2004*
 - Standard Grades: Maths 1, Physics 1, Chemistry 1, English 2, Geography 1, French 2, Music 1
 - Intermediate 2: Computing A

Personal skills

- *Organisational skills*
 - 2007 – Selected for a place on, and completed a PricewaterhouseCoopers personal development course – included sessions on negotiating, team work, commercial awareness and giving presentations
 - 2007 – Selected, trained & worked as a PASS (Peer Assisted Study Sessions) Leader
 - 2005–06 - Evening supervision duties for school boarding house
 - 2004 - Duke of Edinburgh expeditions for Bronze and Silver programmes
- *Interpersonal and team skills*
 - 2007 - Elected to the School of Computer Science Staff-Student Consultation Committee
 - 2006 - Group facilitator and organiser at Youth event lasting 6 days with 200+ people (Junior Yearly Meeting, Society of Friends)
 - 2004 - Children and Young People's Committee of the Religious Society of Friends in Britain - Researched and presented a session with another young person on pacifism
 - Communication with clients online for computer work
- *Computer Skills*
 - Can program in java, C, C++, PHP, Perl & Javascript and write W3C compliant HTML & CSS
 - MySQL Database administration, use of collaboration tools (e.g. SVN) and Apache server administration
 - 50 words per minute typing speed with 2% error

Work Experience

- *Computational Biology Vacational Bursary 2008* – Worked with Dr John Moriarty at Manchester University for 10 weeks to develop an algorithm (and implement it) to analyse genetic data and to identify and classify mutations in shotgun sequences (genetic sequence data sets). Paid for with a grant from the Biotechnology and Biological Sciences Research Council (BBSRC).
- *Morgan Stanley 2008* - Selected for, and attended, the Technology Spring Insight Programme – A week long event in London learning about the technology challenges in Investment Banking. This involved giving a presentation at the end to employees on possible uses by the company of emerging technologies.
- *UK Renal Association 2004-6* - Working closely with the professional association of UK nephrologists to create entire web pages and functional elements. These included:
 - An eGFR online calculator which provides medical health estimates for individuals. This now receives 1000 hits/day and was cited in the British Medical Journal July 2006.
 - Creating a system from scratch that allowed doctors with little IT experience to post and update information online in a manageable and searchable directory.
 - Integration of the above with Google Maps to automatically visualise input data.
- *Edinburgh University 2003* - Working in the Learning Technology Section of the College of Medicine, I created an online learning module to teach medical students the basics of fluid prescribing in patients, under the supervision of permanent members of staff. This is still in use.

Interests

- Music – Grade 5 Cello and Grade 5 Theory 2002.
- Exploring my interest in computers and computing; running my website www.izyt.com
- Running, 6 – 8 miles at least once a week
- Member of the Manchester Debating Union, elected as Communications Officer 2008/9
- Reading current affairs (Economist and The Guardian) and novels