Hector Dearman

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Education

2011–2015	**M.Eng in Computing (Software Engineering)** Imperial College London 1st *(First Year)* 97% in practical programming assignments Won the Morgan Stanley IT Prize (for coming within the top ten in the Christmas exam results)
2009–2011	**Hills Road Sixth Form College** *(A-levels)* Computing A, Electronics A*, Maths A*, Further Maths A*, Physics A

Skills

Python	6 years' self taught experience both with desktop and web applications
Linux, git, Unix tools	3 years' experience with Unix-style command line tools, the Linux OS and using git both for individual and group projects.
Haskell, Java C, SQL	Separate 11 week university courses teaching schema design and functional, object-oriented and systems programming.

Experience

2012–2013	**Second Year University Projects** Group leader in OS Lab in which we extended the Pintos OS with additional features. *(C)* Took part in ICHack2013 building a holiday suggester with a destination 'goodness' heat map in 24 hours. *(Python, JavaScript, AWS)* Group project building a compiler for a C-like language targeting x86. *(Haskell)*
2011–2012	**First Year University Projects** Built an online git repository viewer to improve the first year lab infrastructure. *(Python)* Pair programmed an emulator, assembler and compiler for an invented target architecture. *(C)* Wrote an AI player for Owari which placed 3rd in my year. *(Java)*
2010–2011	**A-level Projects** Ported a Perl script for emulating MIPS processors to Python. Placed 12th out of 1356 in the Southampton National Cipher Challenge. *(Wrote Python programs to preform ciphertext-only attacks on classical encryption schemes.)*
2010–2011	**Team Captain of Sixth Form Robotics Team** Took part in the international FIRST robotics competition. Worked with a group to build and test a 50kg robot programmed in Java. Fundraised over £5000 to cover entry fee and shipping through writing to and telephoning sponsors. Led a 25 strong team of students to the New York regional event.
2009–2010	**Software Lead of Sixth Form Robotics Team** Programmed cRIO (National Instruments controller) in C++ Collaborated with electronics and hardware teams.

References available