

GIOVANNI CHARLES

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Third Year, Imperial College, MEng Computing Student seeking a 6 month industrial placement for 2013

Qualifications & Knowledge

Institute	Qualification	A*	A	B
Wilsons School (2010)	A-Level	2 (Maths & Physics)	1 (Computing)*	1
Whitgift School (2008)	GCSE	6 (Including Maths & IT)	3	2
Imperial College London (present)	MEng	Expecting a first		

**Wilsons School's Computing Award: For problem solving skills 2009*

Current study

Projects include:

Compiler: I wrote a compiler for a made up language in haskell.

OS: I wrote a tread scheduler, virtual memory system and implemented system calls in C.

Web app: I wrote "lines and dots" using HTML5 canvas, web sockets and Node.js.

Crowdsourcing: I am writing a framework to model the accuracy of a crowd.

Courses include:

Software engineering (algorithms/design), Network security, Advanced Databases & Machine learning

Programming languages

Proficient in: C/C++, Java, Haskell, Python, SQL

Basic skills in: Bash, Perl, .Net, Prolog, x86, Node.js

Work Experience

Researcher at Infosys, Bangalore, India, Jun 2012 - Sept 2012:

I developed a program to analyse the semantics of a python project to calculate metrics for its modularity.

Developer and tester at Orbis Mutual Funds, Jun 2011 - Sept 2011:

I Developed an intranet using C#, SQL, SSRS, JavaScript and XAML, unit tested VB.NET and JavaScript programs finding many areas for improvement and integrated with the teams using TFS and communicate with different people.

Events manager Oct 2010 - Oct 2012:

I organised a music event in 2011. This involved venue hire, sound and lighting hire, ticket sales, promotion, security and local council paperwork.

The event brought in around 700 attendees and made £1230 in profit.

I am now the event's manager and radio presenter for my university radio station.

Tutoring, Oct 2010 - present:

This involves preparing weekly lessons for maths, physics, biology and chemistry. I also have to explain concepts not understood in school and look ahead in a syllabus to improve my students' education.

Mentoring, March 2010:

I worked alongside school teachers to mentor four groups of children aged 9 to 10 from two different schools in a scheme aimed to teach basic computer skills at a young age.

Hobbies & Interests

I play for the university rugby team to keep active and my cello to relax.