

# GIOVANNI CHARLES

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**Final Year, Imperial College, MEng Computing student seeking a graduate position**

## Current study

Projects include:

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

**OS:** I wrote a thread 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 wrote a web framework that models the accuracy of a crowd to improve results.

Courses include:

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

## Programming languages

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

Basic skills in: Node.js, Redis, Clang API, Bash, Prolog, .Net

## Experience

### Software engineer at ARM, *Apr 2013 - Sept 2013:*

I implemented uCLinux awareness for the ARM debugger and extended the OS awareness API.

### J.P. Morgan spring week, *2012:*

I estimated a market price using the Black Scholes model with fresh team.

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

I developed an analyser to calculate metrics for a Python project's modularity.

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

I worked on the intranet using C#, SQL, SSRS, JavaScript and XAML.

### Events manager *Oct 2010 - present:*

I organised venue hire, sound and lighting hire, ticket sales, promotion, security and local council paperwork for my own music event.

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

I am now the events manager and radio presenter for my university radio station.

### Personal tutoring, *Oct 2010 - April 2013:*

I prepared weekly lessons for Maths, Physics, Biology and Chemistry. I also explained concepts not fully understood at school.

### 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.

## Past education

Imperial College London		2010 - 2014	
MEng	Expecting a first		
Extra	Imperial hackathon 2013 winner - ichack.org		
Wilson's School		2008 - 2010	
A2 Level	A*	A	B
	2 (Maths & Physics)	1 (Computing)	1
Extra	Wilson's School's Computing Award: For problem solving skills		
Whitgift School		2002 - 2008	
GCSE	A*	A	B
	6 (Including Maths & IT)	3	2

## Hobbies & Interests

I play for the university rugby team to keep active, the cello/keyboard to relax and Node.js to keep stimulated.