Giovanni Charles

WORK EXPERIENCE

JUL 2014 - OCT 2014

Mozilla - San Francisco
FirefoxOS Developer intern

I reinvented the "First Time Experience" for FirefoxOS. I also made several bug fixes for localisation with contributions spanning the "Gaia" project, *https://github.com/mozilla-b2g/gaia.*

APR 2013 - SEPT 2013

ARM - Cambridge
Software engineer intern

I implemented uCLinux awareness for the ARM debugger. To do this, I become familiar with Linux internals and used the debugger's API to inspect interesting parts of the operating system.
I then extended the OS awareness API to allow for shared library support. This involved making important design decisions for refactoring large parts of the codebase.

JUN 2012 - SEPT 2012

Infosys - Bangalore
Researcher intern

I developed an analyser to calculate metrics for a Python projects modularity. To do this I had to learned Python and identify characteristics of the language that could hinder modularisation. I then wrote a parser in Python to identify and measure the severity of these characteristics.

JUN 2011 - SEPT 2011

Orbis Mutual Funds - Wimbledon
Developer and tester

I worked on the company's intranet and reporting using a variety of technologies including C#, SQL, SSRS, JavaScript and XAML.

OCT 2010 - JANUARY 2014

Self employed
Events manager

I organised venue hire, sound and lighting hire, ticket sales, promotion, security and local council £1230 in profit. This experience was valuable when I later assumed the role of events manager and radio presenter for my university radio station.

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EDUCATION

2010 - 2014   **Computing**
MENG - FIRST CLASS HONOURS
Imperial College London

2008 - 2010   **A-levels**
MATHS - A*, PHYSICS - A*, COMPUTING - A, F.MATHS - B
Wilsons School

PROJECTS

2014   **Ferret - Winning project**
BUILD THE NEWS (HACKATHON)
A webapp to help journalists filter out the noise on Twitter - ferretapp.co.uk

2014   **CINE**
FINAL YEAR PROJECT
A Virtual-time profiler for P-Thread systems

2013   **Travel map - Winning project**
IC HACK - *ichack.org/*
An aggregation of holiday options with social data displayed on google maps

2013   **CrowdTrust**
A crowdsourcing framework that models the accuracy of a crowd to improve results

2012   **PintOS**
A thread scheduler, virtual memory system and system calls for a small OS

2012   **J.P. Morgan, Spring week**
Estimation of market prices using the Black Scholes model

SOFTWARE SKILLS

GOOD LEVEL	Javascript (Node.js/browser), git, HTML, CSS, Python, Java
INTERMEDIATE	Linux, Matlab, C/C++, make, scons, gulp, bower, pip, virtualenv
BASIC LEVEL	Bash, Prolog, Haskell