

OMOTOLA BABASOLA

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EDUCATION

2013 - present **IMPERIAL COLLEGE LONDON (MEng Computing)**

Relevant Modules: Software Engineering, Compilers, Operating Systems, Hardware, Logic, Object-Oriented Programming, Statistics, Databases, Networks and Communications, Security, Simulation and Modeling, Mathematics for Machine Learning.

Major Recent Group Projects:

Compiler (9 weeks)

Built a compiler for a small programming language, using Java and the ANTLR parser generator tool.

Operating System - Pintos (9 weeks)

Used C to tackle a set of Operating System problems. Run on 80x86 Architecture with QEMU Simulator.

Mobile Application (9 weeks)

Built an Android application to automatically estimate user heart rate based on speech data, using support vector machine.

2011-2013 **CONCORD COLLEGE, SHREWSBURY**

A Levels: Mathematics(A*), Further Mathematics(A), Chemistry(A), Physics(A)

WORK EXPERIENCE

July - September 2015 SPACE MAGNETOMETER LABORATORY, IMPERIAL COLLEGE LONDON

Undergraduate Research Student

- . Wrote engineering model code to read and process inputs from a spacecraft magnetometer
- . Learnt to use Arduino environment and developed programming skills in C
- . Gained knowledge of embedded devices and interfacing with external SPI devices

April - September 2016 THE HUT GROUP, NORTHWICH, CHESHIRE

Software Engineering Intern

- . Maintained and implemented new features on a leading e-commerce web platform
- . Learnt to use the Spring Framework and improved skills in Java
- . Developed a full stack application to interface with a Citrix load balancer and business servers
- . Optimised utilisation of business infrastructure using techniques such as caching

SKILLS

Programming

Working knowledge: Java

Past experience : C, C++, Haskell, Python, Bash, Prolog, HTML, CSS, JavaScript, SQL

Tools : Git, Eclipse, IntelliJ, GDB, Arduino, NodeJS, Spring, AngularJS, PostgreSQL

INTERESTS AND POSITIONS OF RESPONSIBILITY

Imperial College African and Caribbean Society, Head of Marketing (2014 - 2015)

- . Increased attendance of events by 50%, including the annual variety show hosted by the society.
- . Improved relations with other cultural societies in Imperial and other University Afro-Caribbean societies.

Concord College, Senior Prefect and Outreach Society Member (2011 - 2013)

- . Successfully led a group of 10 prefects in helping new students settle properly into the school.
- . Participated in Primary and Secondary school presentations, teaching about topics such as my home country and religion.

References available on request