OMAR MUTTAWA

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EDUCATION

Imperial College London October 2016 - Present
Electrical and Electronic Engineering (MEng)
Current Grade Average: 68.69%
1st and 2nd Year Group Project Leader
2nd Year Academic Representative
Futsal Captain

International School of London September 2014 - July 2016
International Baccalaureate, 40 points
7 in Higher Level Physics
6 in Higher Level Economics
1st Team Football Captain
International Global Citizen Award

PROFESSIONAL EXPERIENCE

Samsung-Mobile Libya
Internship as After Sales technician

· Preformed integrated-circuit tests, replacements and repair of larger PCB components for mobile
phones, gaining insight into PCB debugging and soldering, 3 weeks. July 2017

Libya Motors Company
Long term Internship as After-sales Technician over three summers

· Internship as Electrical Technician, performing vehicle diagnostics and component repair, 4 weeks. July 2014
· Internship shadowing Mechanical Technician, performing mechanical component replacements,4 weeks July 2013
· Internship as Service Technician, performing periodic services, 3 weeks July 2012

PROJECT WORK & LEADERSHIP ROLES

Braillio, Imperial College London October 2017 - July 2018
Elected Group Project Manager for Major Coursework

· As part of a team of 7 designed an electronic kindle-like device to teach blind children the Braille alphabet in a
fun, interactive and independent way. Achieving 3rd Place in our cohort for our prototype.
· Responsible for the top-level design of the prototype, setting the criterion for each aspect of the design. Was also
responsible for the firmware of the device and the back-end communication with our application.

EERover, Imperial College London October 2016 - May 2017
Elected Group Project Manager for Major Coursework

· As part of a team of 6 designed a remotely controlled rover that could explore a simulated extra-terrestrial planet
and distinguish between six mineral deposits with various electromagnetic properties.
· Oversaw the selection of components, circuit design and hardware construction. Designed the back-end of the
mobile application for remote control and communication with the rover as well as the rover firmware.

TECHNICAL SKILLS

- Object Orientated Programming (C++/Python)
- Hardware Architecture (Verilog/VHDL)
- Prototyping using micro-controllers (C/Python)
- Digital and Analogue Electronics
- Deep Learning (Matlab/Python)
- Circuit Schematic Capture