PEDRO LUIZ BREGA MONTEIRO

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PROFILE

I am currently in my third year of studying Electrical and Electronic Engineering at Imperial College London. I am extremely passionate about this field of study and hope to apply my skills in my career to help solve complex problems.

SKILLS

Experience in wide variety of programming languages such as C++, Python, Kotlin, Java, Verilog, HTML, CSS, prolog and ARM Assembly language. Experienced in hardware design and implementation using PCBs and microcontrollers.

EXPERIENCE

NUFFIELD RESEARCH PLACEMENT

June-July 2015

Worked at the University of Surrey on using Focused Ion Beam milling to create micro optical elements and wrote a summary paper at the end of the placement on The characterization of optical elements that approach the diffraction limit.

INTRODUCTION TO MANAGEMENT HORIZONS COURSE – 2017

I achieved a 2.1 in my horizons management course, where I learnt about economics, finance and gained in depth knowledge of the processes involved in management from manufacturing to marketing.

UROP AT IMPERIAL COLLEGE - 2018

During the summer of 2018 I carried out a UROP on the topic of using machine learning to predict energy prices. I used linear and quantile regression to anaylse data and use it to predict future energy prices to a certain percentage of accuracy.

QUALIFICATIONS/AWARDS

A-LEVEL/2016

Pimlico Academy-Lupus St, Pimlico, London SW1V 3AT

Mathematics - A* , Further Mathematics – A*, Chemistry – A

Physics – A, Biology(AS) – A

Awarded highest achiever in mathematics – Pimlico Academy 2016

Awarded bronze and silver award in UK maths challenge (years 2014 and 2015 respectively) and participant in UK team maths challenge

ELECTRICAL AND ELECTRONIC ENGINEERING MENG/2016

Imperial college London Kensington, London SW7 2AZ

Current grade – 2.1

Third year modules: Machine learning, biomedical electronics, artificial intelligence, maths, deep learning, high level programming and embedded systems, entrepreneurship.