

## **WORK EXPERIENCE**

**Work** June 2019 to onwards -AB5Consulting, London, UK

- Programming Arduino's with outsourced parts for Agri-tech data collection.
- Programming in python for a different unrelated weather mapping/prediction system using outsourced APIs
- Designing new website – still unreleased.

**Work Experience** August 2017 – One Web Satellites, Toulouse, FR Responsibilities:

- Shadowing a team which builds satellites in a 10,000 particle clean room
- Using online CAD software “OneShape” to design the Soyuz rockets
- Extensive work done in excel, calculations done to find the centre of mass of a satellite, including every single part; from screw to gyroscope
- Shadowed Managing Thermal, Radio Wave, Configurations and Impulse Engineers

**Work Experience** February 2017 – Big Fish, Paris, FR Responsibilities:

- Spent a week researching electrical health care methods for a client

**Shadowing** August 2016 – Nokia, Paris-Saclay, FR Responsibilities:

- Looking behind the scenes on communications systems (optical 5G/4G coms) and security systems

**Work Experience** August 2015 – Hub London, London, UK Responsibilities:

- Continuously updating a strand of websites, owned by schools and art dealers, using Word press and HTML
- Researching private medical care centres for business development

**Shadowing** May 2015 – Imperial College, London, UK Responsibilities:

- Shadowing Professor Marco Auristicchio, Director of Research for Dyson school of Engineering, looking

## **EDUCATION**

**Spoken Languages** English, French, Italian

**Computer Languages** C++, Python, JavaScript - alongside css and html

## **University, September 2018 - September 2022**

University of Southampton,

Electrical and Electronic Engineer, Meng,

First Year Modules Grades: [Avg. 2:1]

Advanced Programming: 1<sup>st</sup>   Programming: 1<sup>st</sup>   Maths: 1<sup>st</sup>   Electronic Systems: 2.1   Materials & Fields: 2.1  
Solid State Devices 2.1   Digital systems and Microprocessors: 2.1

## **My School & University Involvement**

- Course Representative 2018/19 & 2019/20
- Received a “Biggest Impact” award for my contributions to my Faculty as a Representative
- Mentor in Mentoring scheme for several younger students 2019/20
- Formula 1 in school competition, placed Top 20 in UK

## **Relevant A-Levels, June 2016 - June 2018**

Latymer-Upper School,

Mathematics: A\*

Physics: A

Further Maths: A

## **Relevant GCSEs, June 2014 - June 2016**

St. Benedict's School

Math: A\*   Physics: A\*   Chemistry: A\*   Biology: A\*   English Language/Literature: A/A   Fine Art: A

## **Project Experience:**

Embedded Programming on Il Matto Board to change/measure/display values on a DIY variable inductor.

Programmed two Raspberry Pi's which communicated between themselves to mirror note pads on each device using Qt Creator software

Led a Team in designing ‘Hyper chip’ with ALU, 2seg Decoder, Ring Oscillator and Inverter using L-Edit

Led a Team in designing a ‘Smart Meter’ while also heading the Programming sub-team, taking part in designing and coding a control system, UI and additional features consisting of wireless-access-point hosting a website which I also programmed