

# Duncan Scuffell

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## Profile

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- **MEng Graduate** with a **strong foundation**.
- Experienced with **Object-Oriented Programming, development, testing and debugging**.
- Outgoing individual with the ability to **adapt** quickly to new environments.
- **Eager** to learn, and fast to master new technologies.
- **Technically minded** and inquisitive character with a **methodical** approach to **problem-solving**.
- Effective at **communicating** and strong **inter-personal skills**.
- Possess **leadership** qualities with an understanding of the importance of **teamwork**, as well as **self-direction** and motivation.

## Education

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### University of the West of England

Sept 2016 – June 2020

MEng (Integrated) Mechanical Engineering

**Distinction**

**Core Modules:** Engineering Mathematics, Industrial Applications of Vision and Automation, Advanced Control Engineering, Innovation in Operations Management, Masters Group Project

**Year 4 Thesis:** Biomimicry's Future in Aviation

### Bearwood College

Sept 2014 – July 2016

**Modules:** Physics, Maths, Geography

## Work Placement

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### AMEC Foster Wheeler

Shadow

July 2014

- Shadowed multiple engineering disciplines, giving insight into everyday tasks.
- Completed and passed all technical tasks set by the engineers.

## Employment

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### Bristol Robotics Laboratory

Sept 2019 – Jan 2020

Bartender

- **Project Lead** of a team of five, with guidance from two experienced mentors.
- Successfully developed an idea to establish autonomy in an MFC powered system.
- Developed skills in **creative problem-solving**, whilst gaining experience in executing a **scientific approach** in line with company practices.
- Created a new take on a mechanical siphon, utilizing rapid prototyping in the form of 3D-printing
- Final report achieved 89%, whereas the presentation fetched 77%

### Lounges

May 2019 – Sep 2019

Bartender

- Full time role during working as part of a large **team**, developing my skills in customer service and teamwork.
- At busy times I was manning the bar **unassisted**, demonstrating my ability to take the **initiative** and perform under pressurised situations.

### Times Marquees

May 2017 – Sep 2017

Jr Marquee Erector

- Full time role during my first year of university working as part of a **team** in the construction of marquees.
- Regularly worked **12+ hour** days with early starts and few breaks in challenging conditions.
- Selected early on to drive the vans and often **lead** deployments of small teams.

## Skills

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C/C++, Python, HTML, CSS, MATLAB, Six Sigma, 8D, Project Management, Microsoft Office.

## Achievements & Awards

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**Duke of Edinburgh Bronze & Silver Awards** - During 6<sup>th</sup> form I was very active outside of college. I took part in the Duke of Edinburgh Award scheme and completed fully the Bronze & Silver Awards, including the Gold expedition.

**Army Proficiency Certificate**- As a part of the combined cadet force, I undertook a syllabus called the army proficiency certificate (APC). It offered life changing experiences that I would not be exposed to with any other extra-curricular activity. It challenged me regularly providing opportunities to **develop** skills and work as a **team**.

## Courses

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**APM Project Fundamentals Qualification (PFQ)**-This qualification, developed by APM, offered a fundamental awareness of project management terminology. It offered a broad understanding of the principles of the profession.

**Beginning C++ Programming Course – Beginner to Beyond**- A course designed to obtain modern C++ Object-Oriented Programming (OOP) and STL skills needed for game, system, and application development.

**Python and Django Full Web Stack Development Bootcamp**- A course designed to build websites with HTML, CSS, Bootstrap, JavaScript as well as back end technologies.

**Machine Learning A-Z: Hands on Python & R in Data Science**- A course designed to create machine learning algorithms given the choice of Python & R as a language (I used Python).

## Key Experiences

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- Living on my own at university for the first time and taking **responsibility** for my finances whilst meeting a plethora of **new people** from different backgrounds.
- Working with **Bristol Robotics Laboratory** in a professional environment, managing a project and presenting brings with it skills that I could not learn in the classroom.

## Hobbies & Interests

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### Sporting

- I played **1<sup>st</sup> team** rugby and cricket for my college, training 3 times a week.
- Avid weightlifter, using knowledge to specify training and nutrition to enhance performance
- Member of the UWE Tennis Club and UWE Surf Society.
- Annual trips to go skiing, with 16 years of experience.

### Other

- A philomath, completing courses regularly on multiple learning platforms. Currently, I am interested in Machine Learning and its applications in data science.
- I love listening to and playing music. I have learnt the saxophone to a grade 5 level, as well as teaching myself guitar in my downtime.
- Avid **traveler** and often during my time off studying, visiting new places to explore the local **culture** and scenery.
- Car enthusiast with a growing interest in **Autonomous Vehicles** who enjoys attending classic car festivals such as Auto Italia.