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| University Degree BEng Aerospace system engineering with pilot studies 2:1 | Academy Stream Devops engineering |

## Summary

**PLEASE DELETE THIS TEXT! ALL BODY TEXT SHOULD BE VERDANA SIZE 8 – PLEASE DO NOT EDIT FONT SIZES. HEADINGS ARE VERDANA 12 (I.E. SUMMARY, ACADEMY EXPERIENCE, ETC). SUBHEADINGS ARE VERDANA SIZE 9 (I.E. BUSINESS SKILLS, AUTOMATION, ETC.)**

Aerospace Systems Engineer with Pilot Studies Graduate with a 2:1 honours. A driven individual who has ambitions in technology and to further his knowledge in the field. Marcus’ proactiveness and confidence in a team-oriented environment stems from a variety of backgrounds, highlighting his teamwork skills. Through his work experience and university, he has developed a high customer service and ability to complete deadlines. Furthermore, through use of agile methodology, time management, and problem solving, he honed his project management skills.

## Skills

* Python, SQL, GitHub
* Microsoft Office
* Communication skills
* Project Management
* Critical Analysis
* Leadership
* Technical software skills: CATIA, MATLAB, SIMULINK

## Academy Experience

**BUSINESS SKILLS**

A continuous development that explores the world of business and projects therein. A focus on understanding their role within organisations and communicating effectively with the people around them.

**SKILLS:** Effective communication, networking, negotiation, project life-cycles, development life-cycles, time and task management, stakeholder analysis/management, memory techniques, network diagrams, WBS and dependencies, presentation skills.

**SQL**

The SQL module teaches Spartans to create, read, update and modify tables in databases and extract data specific to the client’s requests and needs. In doing this, Spartans learn the skills that they will need to manage data within client specific roles.

**SKILLS:** Creating databases and data tables, SQL data types, relational databases, DDL, DML, concatenation, selecting specific variables from tables, importing data from Excel, joining tables via different simple and complex JOIN statements, filtering data, updating data rows, modifying data information.

**AGILE**

Practiced continually throughout the academy, the mind-set, ceremonies, and continuous integration creates a highly knowledgeable agile expert.

**SKILLS:** Scrum, user stories, personas, acceptance criteria, backlog and estimation, retrospectives, stand-ups, Kanban, agile tooling, continuous delivery, extreme programming.

**PYTHON AND DATABASES**

Python is rapidly growing language as it is the preferred language for DevOps scripting as well as being superb for data manipulation. The course focuses heavily on the core concepts of programming that are highly transferable to any programming languages.

**SKILLS:** Relationships and modelling, functions, classes and objects, OOP, MVC, Flask, libraries, packages, API & HTTP requests, SQL, creating DB and tables, querying DB, joins and outer joins in SQL, integration with SQL DB/ manipulation using python and OOP.

**DEVOPS ARCHITECTURES**

How to architect and build a working deployment pipeline that fits business needs is an integral part of the DevOps course. 

## Academy Projects

#### SQL project:

Achievements*:Technical or Data Consultant Profile Template (3).docxd*

## 

## Employment History

#### December 2019 to June 2020

#### Co-op food

#### Customer team member

I thrive under pressure in a fast-paced environment and understand the importance of efficiency and confidence within a team. I have over 4 years’ experience as a dependable cashier alongside university. This opportunity led me to become an excellent communicator, and as such thrived in a customer facing role.

* Acquired the ability to work effectively with other members to ensure all tasks were completed and provided excellent service
* During busy hours, time management was essential, and when leading shifts directed staff to certain roles in order to create efficient working environment
* Through enthusiastic approach able to boost staff morale
* Ensured friendly and quick service to provide a great customer experience
* Listened to customers complaints and concerns attentively to understand their needs and provide an effective solution
* Took initiative and remained motivated to ensure tasks were fulfilled correctly and efficiently
* Quickly handled monetary calculations and transactions

#### October 2015 To JUly 2019

#### mcdonalds

#### Crew Member

A high-level example of the work you did while employed. Just a couple of sentences are needed here. Bullet points are fine.

## Education

#### September 2015 To May 2019

#### University of hertfordshire

#### aerospace systems engineering with pilot studies

###### Modules:

###### 1st Year: Aerospace Technology & Industry; Careers Skills Development; Engineering Application of Mathematics; Engineering Mathematics; Fluid Mechanics & Thermodynamics; Introduction to Design; Introduction to Manufacturing Technology; Materials and Electrical Science; Mechanical Science

###### 2nd Year: Aerospace Design; Aerospace Systems Modelling & Control; Aerothermodynamics; Air Law, Navigation and Meteorology; Aircraft Systems; Avionics Systems; Career Planning; Dynamics

###### 3rd Year: Aerospace Performance, Propulsion & Design; Aircraft Systems Integration; BEng Individual Project (Aerospace); Careers Portfolio; Pilot Studies and Flight Analysis; Stability & Control of Aircraft

###### Final Project: Aerodynamic Dropsonde at Free Fall Dropsondes are atmospheric vertical profiling devices which use meteorological parameter to forecast the weather. Dropsondes are dropped from a plane, and then provides in-situ measurements upon the atmospheric data during a controlled descent in severe conditions, for example in a hurricane. Due to lack of existing free-falling devices and for the purpose of the project, a conceptual design for a dropsonde at free fall was made through fully annotated sketches on 3D computer aided design software called CATIA. The forces that the sonde experiences at free fall was analysed through stress and strain using finite element analysis, FEA. With the animation of FEA, the interaction between parts will be investigated.

###### After completing the report, I prepared for the project defence this involved a 20-minute session which was made up of 10 minutes of presentation, followed by 10 minutes of questions. In my project defence, I explained the project achievements stressing the positive aspects but also describing how I overcame any difficulties encountered. I was credited by my tutor for a presentation skills and questions. From past experiences, I have done reports and presentations individually, however not to the magnitude of the final year project.

###### The final year provided to be great insight and I learnt a lot from it and developed many skills along the way. The project was exceptionally challenging, but I remained motivated throughout the year to complete the project of high quality and ahead of time.

## Hobbies/extra Curricular activities

###### I enjoy keeping myself busy and I love teaching myself more about the world and technology around it. I am always eager further my understanding in this field by using multiple learning platforms. I have used online tutorials, videos and other materials learn skills, currently learning the programming language Python.

###### Additionally, I am also an avid gamer and love meeting up with friends, whether if its online or face-to-face (before the lockdown). Before the lockdown, I also enjoy going to the gym, where I am currently following the 5x5 Gym Programme. I go to the gym regularly with friends to stay fit and healthy as it provides a good productive start to my day. At least that was me before the lockdown. I still enjoy gaming, working out at home and using my one exercise a day to go longboarding.

## Volunteer Work

###### Competition Secretary

###### University of Hertfordshire:

* Organise competitions for the University of Hertfordshire’s Judo Club for all ranges of experience for white-black belts. Working at the club required collaboration with other members of the committee to organise social events for the members. Through advertisement on social media, I increased membership through effective use of web page on Facebook and innovative activities during Welcome Week. You might want to bullet point them and add additional information about why you find them interesting.