

DEBORAH DUKE

Phone: 07552124180

Email: debduke10@gmail.com

 <https://www.linkedin.com/in/deborah-> King Street, Aberdeen, AB24 3FX [duke/](#)

RELEVANT TECHNICAL AND FIELD SKILLS

Software and IT Tools: Gained experience of manipulating large data sets using spreadsheets and conducting statistical analysis using **MATLAB** during my time at Swansea University and through my degree studies. Also made use of **SolidWorks** and **ANSYS** throughout my degree for design, visual ideation, modelling and feasibility assessment of an aeroplane. Gained experience using **SAM** to schedule and track aircraft repairs and maintenance, during my internship as an Aircraft Maintenance Engineer at Caverton Helicopters. I made use of **Adobe** Photoshop to edit pictures, and design logos whilst working as a part time photographer and a Creative Director. I design webpages using **HTML**, **CSS** and **JavaScript** during my spare time and I am currently learning **Python** and **JavaScript** in my MSc. I am confident in using a variety of IT packages in Microsoft Office.

Analysis Techniques: Data analysis, Cost-Benefit analysis, Investment appraisal.

Group Related Qualities & Training: Planning, scheduling, Mentoring, Time management, Sea School Leadership Training.

EMPLOYMENT HISTORY

July 2022-September 2022 TechX Research Intern **Net-Zero Technology Centre, Aberdeen**

- Provide a report on various international innovation districts and scale-up centres primarily in the clean energy sector to highlight the best practices that can be adapted to the Energy Transmission Zone (ETZ) project in Aberdeen
- Research companies related to TechX focus areas to approach to gain customer network for pioneers during cohorts.
- Research deep tech ventures to approach to partner with and promote TechX cohorts
- Reviewed TechX online portal and assessed features that can be implemented to improve the contents and user experience of the portal.
-

March 2021 – June 2021 Compliance Intern **First City Monument Bank (FCMB)**

- Identified and analysed the rules governing the operations of the bank to create a robust compliance universe.
- Monitored adequacy of controls to ensure compliance with regulatory requirements.
- Ensured legal applicability and enforceability of FCMB's information security policies, standards and procedures.

Sept 2019 - Sept 2020 Lead Creative Director **Crew Model, Swansea**

- Required to direct creative management and develop a strong incentive based work environment.
- Brand management across all social media platforms. Have overseen an increase in publicity since taking the role.
- Designed and implemented concepts, guidelines and strategies in various creative projects and oversaw them to completion. Liaise with prospective clientele, collaborative partners & new models.
- Set creative direction and agenda for the creative team to effectively launch new projects.

**Feb 2019 – May 2019. Aircraft Maintenance
Engineer Intern**

Caverton Helicopters

- Installation of helicopter control panels for private aviation and logistic company.
- Worked on assembly and dismantling of nickel-cadmium batteries.
- Trained in SAM; a software used to monitor helicopters and alerts the engineers when repairs are needed.
- Carried out routine safety inspections on commercial helicopters.
- Installed main rotor and tail rotor blade of a helicopter.
- Understood the dynamics of the storage sector.
- Arranged the parts to an assigned section both physically and electronically.

EDUCATION

Jan 2022 – Present. MSc Information

University of Aberdeen Technology

This skills-based program, taught by internationally renowned lecturers, researchers, and specialists in their fields, gives students the theoretical understanding and practical experience of implementing computer science ideas in real-world situations.

Courses include: Introduction to programming, Advanced Programming, Fundamentals of Software Project Management, Enterprise Software Development, Web Development, Information Security, Database Systems and Big Data, Human Computer Interaction.

Dissertation title: TBD

Nov 2017 - July 2020 BEng Aerospace Engineering

Swansea University

Studied a broad range of subjects including: Aerodynamics, Thermodynamics, Fluid Mechanics, Engineering Design, Computer Aided Engineering, Engineering Professional Development, Flight Mechanics, Aerospace Control Systems, High Performance Materials and Selection, Airframe Structures.

Final Year Group Project: Design a Hybrid Business jet.

Final Year Individual Project: Smart Materials and Aerofoil Optimization.

Cambridge International Examination (IGCSE)

S.T.T.R College Mathematics A,

Chemistry **B**, English as a second Language **B**, Biology **C**, Physics **C**

OTHER POSTIONS OF RESPONSIBILITY AND LEADERSHIP

2018- 2020 Volunteer worker at Place of Victory Church (RCCG):

- Head the media department and worked in the choir department.
- Assist with online presence and handling churches social media platforms.
- In charge of photography, video work, sound and audio in the church.

2018-2020 Student Ambassador for Swansea University

- Assist the College of Engineering during undergraduate and postgraduate open-days. • Give tours during open days and interact with potential students and families.

2017-2018 Treasurer and Mentor in the Women's Engineering society Swansea University

- In charge of the societies finances and mentored female engineering students (fresher's) who required settling in.
- Encourage and interact with future female engineering students in the university.

REFERENCES

Dr. Kiyo Wada; Supervisor, k.wada@swansea.ac.uk (Other references are available on request).