

BENI AYUK

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PROFILE

BEng Aeronautical Engineering student at Loughborough University, keenly interested in powerplant technology and aerodynamic design. Proven track record of excellence in diverse roles, including IT assistance at BusySpr and digital animation for Olympic sprinter Dwain Chambers and Indigo Records. Recognised for quickly acquiring new skills and strictly adhering to safety protocols. Thrives in high-pressure environments, demonstrating flexibility and dedication to shift work. Eager to acquire hands-on experience in aerospace and performance-based industries, with the ambition to become a performance aerodynamicist at Williams F1.

EDUCATION

First year BEng Aeronautical Engineering student, Loughborough University **09/2024 – 06/2027**

Expected Result: 2:1

Relevant modules: Aircraft Systems, Performance and Design, Engineering Mathematics 2, Engineering Mechanics, Thermofluids, Computing (MATLAB), Engineering Design and Manufacture

Foundation Degree in Science, Engineering, Loughborough University **09/2023 - 06/2024**

Result: Pass (84% overall)

Relevant modules: Applicable Mathematics 2- Achievement 99%, Introduction to Programming- Achievement 85%, Engineering Science (Mechanical Engineering) 84%

Royal Grammar School Newcastle **09/2021 - 06/2023**

3 A Levels: Economics (A*), Politics (A*), Mathematics (B)

Ponteland High School - Newcastle-upon-Tyne **09/2018 - 06/2021**

11 GCSEs: 8 A*, 3A, (including Mathematics (A*) English Language (A))

Duke of Edinburgh Silver Achievement – PASS **10/2020 - 07/2021**

WORK EXPERIENCE

IT assistant **BusySpr, Newcastle Upon Tyne** **08/2021 - 03/2024**

- Uploading and validating of data whilst reviewing website functionality.
- Testing website functionality for hundreds of students preparing for medical examinations
- Reduced customer complaints by 25% through meticulous attention to detail and IT knowledge.

Technology and Animation Internship **Dwain Chambers Digital Coach, Lee Valley** **10/2020 - 10/2021**

- Creating Digital animation and assisting with general IT.
- Utilised technology and digital animation skills to help troubleshoot and inspire interest in Olympic sprinter Dwain Chambers digital coaching programme (DCDC).

Volunteering **Ponteland Middle School, Ponteland, Newcastle Upon Tyne** **10/2020 - 07/2021**

- Managed afterschool activities for primary school children while adhering to safety protocols.
- Handled significant responsibilities and prioritised safety in environments focused on well-being and safeguarding.

- Student-led scheme designed to provide a safe, confidential, and friendly environment for students to explore different learning strategies and develop study skills on a weekly basis.
- Gained valuable experience in collaboration by supporting fellow students.

KEY SKILLS

Programming

- **Foundation in Python:** Created graphs to analyse COVID-19 case data using Python libraries, including NumPy, matplotlib, and pandas.

Technical

- **Innovative Project Development:** Developed a university location services check-in device for students without smartphones using a Raspberry Pi 4 Model B.
- **General IT Expertise:** Highly experienced in various aspects of IT, with expertise developed through buying, selling, and refurbishing electronics since the age of 15. Skills in troubleshooting and supervising devices have proven invaluable in assisting fellow students with IT issues.

Time Management

- **Efficient Delivery:** Delivered unique computer graphics within a short timeframe at Dwain Chambers Digital Coach, exceeding company exposure goals.
- **Productivity:** Achieved a touch-typing speed of 72.4 wpm.

Ability to Adapt

- **Agility in Learning:** Self-taught in 3D animation using Blender 3D (industry-standard), demonstrating the ability to learn complex programs independently. This adaptability is essential in the modern workplace, where continuous learning is the norm.

Leadership

- **Building Trust:** Led the production of digital animation during my internship, establishing trust with Olympic sprinter Dwain Chambers. This created a safe space for open dialogue, allowing him to share questions and visions without fear of judgment—crucial for innovative project development.

Communication

- **Clear Concept Translation:** Simplified complex topics by adapting teaching methods to suit various learning styles in the role at Loughborough University Peer Assisted Learning. By breaking down technical concepts into clear, relatable terms, understanding was enhanced for peers.

Collaboration

- **Empowering Peers:** Recognised the underutilisation of teammates' talents and effectively delegated tasks during my internship at Dwain Chambers Digital Coach. This inspired them to take ownership of their contributions and fostered a creative and inclusive environment where everyone could thrive, leading to more well-rounded project outcomes.

INTERESTS AND ACHIEVEMENTS

- Passionate about aviation and aerodynamic design; a member of the Royal Aeronautical Society.
- 100m sprinter with a personal best of 10.9 seconds, recognised as the fastest schoolboy in the North of England in 2022.
- Joined the Loughborough University Formula Student programme to gain experience in advanced aerodynamics.
- Currently gaining leadership qualifications as a member of the University Officer Training Corps (UOTC).

REFERENCES AVAILABLE ON REQUEST
