BLAIR ALLAN

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EDUCATION

2022 – 2023.   **Loughborough University**
MSc, Data Science – **Distinction** (Predicted)

Modules Included: Programming for Data Science, Big Data Analytics and Visualisations, AI and Applied Machine Learning, Data Governance and Ethics.

Key Projects
- **Attendance Tracking System –** Created a software information system capable of processing, storing, and analysing attendance data, including a GUI interface for the system using Python and SQLite**.**
- **Capital Bikeshare Data Analysis –** Completed an exploratory analysis of data from a bicycle-sharing system where I identified and reported the effects of COVID-19 using various ggplot2 visualisations in R.
- **Data Ethics Presentation and Report –** I produced a data protection and management plan for a proposed research project, which I delivered through a presentation and written report.

2018 – 2022   **University of Leeds**
BSc (Hons) Neuroscience with Industrial Placement – **First-Class Honours**

Key Projects
- **Capstone Project** – Big data project where I analysed brain wave recordings from patients with mental illnesses. Throughout the project, I used MATLAB to produce visualisations and a machine learning technique, Linear Discriminant Analysis, to identify different brain wave patterns between mental illnesses.

WORK EXPERIRNCE

2020 – 2021   **Born in Bradford - Research and Implementation Assistant**
- Key responsibilities included implementing research projects, data analysis and producing written reports.
- Led a project to create an auditory digit span test to be used in schools; the app was coded in Python, with the results being stored in an SQLite database.
- Completed training using R, specifically focused on producing visualisations for reports and had a weekly coding club that greatly assisted and improved my coding ability.

EXTRACURRICULAR

2022   **Portable VPN router –** Converted a Raspberry Pi into a router which could connect via my server in the UK to bypass any internet restrictions and improve network security while travelling through various countries.

2022   **Esports analysis –** Using TensorFlow, produced a script that extracts leader board results from a screenshot and exports them into an excel file to automate and speed up data entry for an esports analyst.

TECHNICAL SKILLS

Preferred programming languages: Python, R, MATLAB and PostgreSQL
Experience with: Tableau, Power BI, C, MySQL, HTML5, Linux

INTERESTS AND ACHIEVEMENTS

2022   **University of Leeds Dean's List**
Travel: Lived in six different countries and visited over twenty-five.

References available on request.