Emma Dickie
Curriculum Vitae

About Me
Focused and driven BSc Computer Science student graduate with a particular interest in data analysis gained from working on group projects involving data processing. Has a drive for learning new things and creating organised, detail-oriented work, developed from a hobby of writing. Seeking job to expand skills and experience.

Key Skills
- **Programming**, including C++, Java, Python SQL, Matlab, Bash, Lazarus, HTML, Unity, TensorFlow, Pandas, PyGame, Matplotlib, Scikit-learn, Keras, Seaborn, and NumPy
- **Data Analysis Software**, including Knime, Tableau, Excel, and Jupyter Notebook
- **Other software**, including LaTeX, and Blender
- **Organisation,** event organising and set up for charity volunteer work and arranging academic activities around part-time employment
- **Multitasking,** simultaneously worked on overlapping university projects, including group and individual projects, whilst meeting all deadlines and achieving top grades
- **Adaptability,** worked in high pressure, time sensitive environment as a Crew Member at McDonalds, flexibly switching between tasks and handling challenging social encounters

Relevant Projects Worked On
- Independent project using Python to compare clustering algorithms applied to OCEAN personality types, starting from scratch. Included research on clustering algorithms and data wrangling, cleansing, and visualising in Jupyter Notebook
- Leader of team project to produce a normalised database of racing horses. Supported other team members to understand concepts and arranged/monitored tasks and deadlines. Created SQL queries, designed tables, prepared the data, and performed appropriate normalisation
- Worked in a group to create a variety of client-friendly interactive dashboards using climate data in Tableau
- Used the Keras Python library to create and train a deep learning architecture capable of identifying spam texts from regular texts and then created a Naive Bayes model to compare the accuracy and speed of both
- Modified a compiler created in a subset of Java to include new features and wrote tests to confirm functionality
- Trained a logistic regression classifier using NLP analysis methods to identify different subjects of emails

Education
- 2020-2023: **B.Sc. (Hons)** – *Reading University*. Computer Science. **First Class**
- 2018-2020: **A Levels** – *Peter Symonds*. Maths, Biology, Computer Science. **3 Grade As.** Dissertation on the development of modern-day computers (Grade A).

Work Experience
- 2022: **Volunteer**, *The Bank Café*. Part time team member
- 2019-2020: **Crew Member**, *McDonalds Winchester*. Part time team member, initially seasonally employed, but retained due to exceptional performance.

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