LUKA ROSS

07450685194 ⋄ luka.ross9@gmail.com

https://lukaross.uk

https://github.com/Lukaross

EDUCATION

Bsc Mathematics, The University of Manchester   *September 2018 - Present*

· Accepted Conditional Offer To Study a MSc In Data Science at the University of Manchester starting September 2021

· Achieved 72% average in my first year and 78% average in the first semester of second year. Currently on track for a first class honours.

· Fit models, preformed model selection and evaluated uncertainty in predictions as part of courses on regression analysis and linear models with non parametric regression

· Developed knowledge of supervised and unsupervised machine learning techniques such as algorithmic and probabilistic clustering, principal component analysis and random forests during a course on multivariate statistics and machine learning.

· Built on my understanding of R and knowledge of algorithms during my statistical computing course where we focused on simulation and graphical data exploration.

· Gained skills to self teach programming while studying programming with python in my second year, I also acquired a deeper understanding of the language and confidence to work on programming projects. An example of this being when I preformed a principal component analysis in python using scikit-learn, a package not covered in the course.

· Improved problem solving and logical thinking from studying courses such as Linear Algebra, Convex Optimisation and Metric Spaces. Material included matrix manipulation, optimization algorithms such as gradient decent and newtons method.

Netherhall Sixth Form College and Coleridge Community College   *2011-2018*

· A/As levels: Mathematics(A*), Further Mathematics (A), Chemistry (A), Physics(A)

· A level Awards for outstanding achievement In Chemistry and Overall for year 13

· GCSEs: 9 A* - D including Maths and English above grade C

WORK EXPERIENCE

Bills Restaurant, Bar Staff   *June 2019 - January 2020*

· Awarded Employee of the week within two weeks for fast improvement in my skills as a bartender.

· Trained two new employees at very short notice, demonstrating my initiative and leadership skills.

· Day to day duties include taking account for large deliveries, restocking and deep cleaning the bar, assisting with stock count and closing the restaurant.

· Responsible for serving customers and resolving issues requires a level of customer awareness and verbal communication that was strengthened throughout my time at Bills.

· Making a wide range of cocktails, cold drinks and coffees at a very fast pace during busy hours has given me the ability to think quickly and carefully under massive time pressures.

Deliveroo Rider *September 2016 - September 2017*

· Established a Driven routine of 15-20 deliveries per day from my own motivation.

· Interaction with customers and restaurants helped improve communication skills.

POSITIONS OF RESPONSIBILITY AND ACHIEVEMENTS

WoodCraft Folk, Youth Organisation *June 2005 - April 2019*

· 2009-2019 Planned,decided and voted on how to distribute various grants within the organisation at a national level, an example being setting up and funding a youth led committee.

· 2014 - 2015 I volunteered at my local group for younger children, organising games and group discussions.

· 2015 June - Volunteered a national camp running workshops for young people aged 13-16 and as site Security.

RELEVANT SKILLS

· Documentation: RMarkdown, Jupyter Notebooks, Microsoft Office, Microsoft Excel, LaTeX

· Programming Languages: R, Python, HTML, CSS, MATLAB

INTERESTS AND SOCIETIES

Data Science *March 2020 - Present*

· I have completed a five unit Specialization course in Data science from the John Hopkins School of Public Health, units include Exploratory Data Analysis, Reproducible Research and R Programming. As a result of this course I have produced a number of small projects using R which can be found on my github page.

· I am a member of the Manchester Data Science Society where I attend weekly python workshops on machine learning and other data science techniques.

· I enjoy using websites such as Kaggle to find interesting data sets and learn from other peoples Data analysis, and the R graph Gallery to learn how to implement new data visualisation techniques.

Programming *2018 - Present*

· I enjoy learning new programming libraries in my free time. Since studying python at university I have continued my learning through online documentation. New libraries I have found useful are numpy, pandas, matplotlib in python and dply, ggplot2 for R.

· I have taught myself the basics in web development and created a personal portfolio website to house future projects in Data science and Data visualisation.

Outdoor/physical activities *2010 - Present*

· I am a member of the Manchester Mountaineering Society and have a passion for bouldering, hiking and scrambling in national parks and countryside around the UK.

REFERENCES

· References available upon request