

Summary

First-class engineering mathematics and distinction-level data science masters graduate from the Universities of Bristol and Bath respectively, looking for a data-related role in the sports industry. In university, I developed my interest and knowledge in data science and machine learning, alongside a strong programming skill set. As a keen sports fan, I am looking for a role that will give me the opportunity to use the skills that I have learned in practical applications, to develop the results of athletes or sporting operations with statistically proven quantifications and predictions of performance. Since the completion of my masters degree, I have taken the opportunity to travel, both off my own accord, and through my work as a live television graphics operator. I am now looking for a job that can challenge me with problem-solving tasks to make use of my knowledge of data science and related technologies, as well as sports and television production.

Education

The Cardinal Vaughan Memorial School

LONDON, UK

A-Level

2015 – 2017

MATHEMATICS A* | FURTHER MATHEMATICS A | PHYSICS A | CHEMISTRY A

GSCE

2010 – 2015

A*×4 | A×7

University of Bristol

BRISTOL, UK

BEng Engineering Mathematics with First Class Honours

2017 – 2020

- Modules include Introduction to Artificial Intelligence (80%), Machine Learning (75%) and Computational Neuroscience (79%).
- Report produced in Mathematical Data Modelling unit investigating the optimisation of pig farming for external client *JSR Genetics* found my results being applied in industry.

University of Bath

BATH, UK

MSc Data Science with Distinction

2020 – 2021

- Modules include Applied Data Science (85%), Machine Learning (71%), Reinforcement Learning (79%) and Bayesian Machine Learning (70%).
 - The course has helped me gain high proficiency in using Python and SQL, with experience in Python libraries such as Pandas, Keras, PyTorch and Scikit-Learn.
 - Completed a research project in developing an automated music composition model with the use of deep convolutional generative adversarial networks (DCGAN), which achieved a distinction grade.
-

Experience

AE Live Ltd.

Statistical Rugby Logger

September 2015 - May 2021

- I worked for AE Live as a statistical logger on rugby matches, providing live statistics for rugby matches broadcast on BT Sport and ITV.
- Alongside logging statistics I was expected to interpret their values to make suggestions for commentators to discuss in-match.

AE Live, Televideo, NEP Group, Sunset & Vine

Freelance Graphics Operator and Graphics Producer

September 2019 - Present

- Using contacts and skills developed while working in the sports broadcast industry, I began work as a freelance graphics operator on live sports television.
- Involves being the sole representative of the company you are working for on outside broadcasts, rigging technical equipment at stadiums, and working under pressure in a live situation.
- From December 2021, AE Live adopted me as their first choice operator on all FIFA events, giving me the opportunity to work on outside broadcasts in fifteen countries across the world, working alongside local crews in each country.

Intrinsic Wellbeing Ltd

Database Intern

May-July 2020

Spent time working with a wellbeing consultancy for Intrinsic Facilities Engineering, giving technical support to them with extracting data from an Equifax company database through the NatWest entrepreneur accelerator programme. The data extracted directed the marketing of a business wellbeing magazine produced.

Harris & Porter Recruitment, Rota Staff and The Wallace Collection Restaurant

LONDON, UK

Hospitality, bar and waiting work

July 2017-August 2019.

Short term placements at each venue mean I am able to form professional relationships with colleagues quickly and regular interaction with customers has made me confident in these settings

Technical Skills

Programming Languages: Strong in Python (experience with libraries such as PyTorch, TensorFlow, SciKit-Learn, Pandas), SQL and MATLAB, some experience in R, C and Java.

Mathematical Modelling: Lots of experience from my university course in producing mathematical models to solve real-world problems, including the creation of an optimal business strategy, currently in use industrially by JSR genetics.

Artificial Intelligence: Good knowledge across a large array of machine learning algorithms, including Support Vector Machines, Gradient Boosting and Gaussian Processes, as well as deep learning and reinforcement learning. Experience developing generative adversarial networks. As part of this I have experience in data engineering such as feature engineering, cross validation and data augmentation.

Hobbies and Interests

Sports Captained my school's football team and continue to play football and squash in local leagues. Also interested in cricket, golf, rugby, running, snooker.

Playing Music Grade 8 saxophone, Grade 7 Piano, member of schola cantorum choir in school and jazz band at university.

Other Interests Cooking, learning new skills, travelling, learning about new cultures.

References

Dr Ryan McConville

Tutor

UNIVERSITY OF BRISTOL
ryan.mcconville@bristol.ac.uk

Dr Marina De Vos

MSc Research Project Supervisor

UNIVERSITY OF BATH
m.d.vos@bath.ac.uk

Alison Halstead

Employer

AE LIVE LTD.
alison.halstead@ae.live

Fiona Bugler

Former Employer

INTRINSIC WELLBEING LTD.
hello@iwellbeing.com
