JORDAN PEARS

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I am a highly motivated individual with a strong academic and practical focus. I have completed a Masters in Mathematics and Physics and I am eager to apply my analytical rigor and technical skills within an engaging role.

KEY STRENGTHS

- Ease of understanding and communicating complicated mathematical and logical concepts to a variety of different audiences, drawing from my work and academic experience.
- Open to change and regularly evaluate and improve working practices and tools.
- Eager to consider new ideas, and understanding of the importance of teamwork to enhance my own ideas and refine my approach to solving problems with a shared goal in mind.

EDUCATION & QUALIFICATIONS

University of York, 2018
MMath in Mathematics and Physics

Year One: Analytical and statistical skills were developed through Algebra and Calculus with team working and programming (Python) skills further developed through group projects with Experimental Physics.
Year Two: Statistical skills were strengthened with Python data analysis and regression. Mathematical ability and application developed through physics and maths study, with an algebra/calculus bias.
Year Three: Analytical rigor was developed through studies of quantum systems and relativistic particle dynamics. Statistics theory knowledge was enhanced through study of statistical mechanics and numerical analysis.
Year Four: Programming and machine learning skills were developed by approaching classification and regression problems using the Metropolis-Hastings algorithm with the R programming language. Extensive high-performance C++ programming skills were also developed through the study of computational physics and particle simulations.
Grade: 2:1

Heanor Gate Science College Sixth Form, 2014

A-Levels: Mathematics - A*, Physics - A
Advanced Diploma Level 3 in Information Technology - B
Extended Project Qualification – A
GCSEs: 9 grade B or above, including Maths, English, Biology, Physics, and Chemistry.
Higher Diploma Level 2 in Information Technology – B
Total UCAS points: 510

WORK EXPERIENCE

Software Engineer – Capital One, Summer 2017
Working in an agile team using Java and GitHub to transport data around various company services and engineering solutions to data problems using Amazon Web Services (AWS) including; EC2, S3, CloudWatch, and IAM. Jenkins was also utilised to automate stack deployment and teardown.

Data Analyst - University of York, Summer 2016
Working closely with bespoke software to organise and search for trends and relationships within sensitive data to generate client-focussed reports which are easily digestible for a non-mathematical audience. Excel and Tableau were predominantly utilised, with Google Docs/Sheets being used for collaborative work.

IT Technician - Business Moves Group, Autumn 2015 – Summer 2018
Working in a team of up to 20 to complete tasks of varying complexity regarding the moving/installing of technical equipment and office workstations. Strong teamwork skills were required to complete the tasks in time for the following team.

Financial Analyst - Insight Investment Management, Summer 2014
Working alongside multiple elements of the company to assist in the management of client portfolios and the tracking and analysing of financial security trades, primary tools used were ThinkFolio and Excel. Strong mathematics and analytical skills were required for the processing of data and team projects included the roll-out of a new database/monitoring system.

Product Definition Engineer - Rolls-Royce, Spring 2014
Designing complex components using computer assisted design (CAD) packages and creating technical drawings from models, working with a fellow team member to develop skills and complete work from a design specification for jet engine components.

INTERESTS AND ACTIVITIES

- Computer programming using self-taught Python, Java, and R to automate simple tasks, test innovative programs, and complete big data analysis, the most adventurous being a computer-vision based algorithmic minesweeper solver.
- Lead an entrepreneurial team-based charity event in which we turned £1 into over £100.
- Organisational support for local school science club and volunteering to help children code.
- Interest in active team sports; canoeing, caving, sailing, and backpacking.
- Physics and Mathematics Student Union representative for two consecutive years.