

Matthew Knowles

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Who am I? A highly motivated and disciplined Mathematics undergraduate, with a sound academic background and experience in research. Looking to apply the skills and knowledge I have acquired to roles in finance, research, or data science.

Education

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| 2018–Present | MMath Mathematics, University of York; Grade: 1st (Expected 2022) YorkAward: Pass, First year average: 68%, Second year average: 72% |
| 2016–2018 | A-Levels, Droitwich Spa High School Mathematics: A, Further Mathematics: B, Physics: B, EPQ: A* |

Work Experience

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| 20/07/20– 16/9/20 | Research Intern, Department of Biology, University of York Wrote a pipeline in Python and R to apply machine learning to ChIP-seq data from NCBI |
| 12/10/18– 1/10/19 | Student Guide (Mathematics), University of York Showing prospective students around the department and university, answering questions about life at uni etc |
| 29/10/17– 03/09/2018 | Customer Service Assistant, WHSmith General store duties: Manning the tills, helping customers find things, book orders and returns, maintenance and cleaning. |
| 24/07/17– 18/08/17 | Nuffield Research Placement, University of Birmingham School of Physics and Astronomy Analysing HiSPARC data by applying statistical and geometric techniques to locate potential sources of cosmic radiation |

Programming and IT

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| Python | Several years experience in Python, mostly for data analysis and scientific computing. |
| R | I have industry and academic experience in R. I learnt to use R as part of my degree and have used it extensively in my role as a research intern in summer 2020. |
| C++ | I have been using C++ while at university |
| \LaTeX | Started using \LaTeX during my GCSEs, this includes writing research papers and other documents such as research proposals, presentations (beamer) and this CV. |
| Miscellaneous | I am proficient in using tools such as Git, and Vim and UNIX based Operating Systems. |

Communicative Languages

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| English | Native Proficiency |
| Norwegian Bokmål | Upper Intermediate Proficiency |
| German | Lower Intermediate Proficiency |
| Chinese (Mandarin) | Elementary Proficiency |

Volunteering

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| 17/9/20–Present | STYC: Halifax College, University of York |
| 7/6/20–Present | Treasurer: University of York Men's Cricket Club |
| 27/5/20–Present | Secretary: University of York Taekwondo Club |
| 14/4/19– 31/5/20 | MathSTYC: Department of Mathematics, University of York |
| 15/11/16– 12/05/17 | Maths Tutor at Droitwich Spa High School |

Conferences

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| 02/07/18 | Presented at the 6 th Annual HiSPARC Conference, University of Bath. Research was presented from my Nuffield Research Placement |
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References

Dr Benoit Vicedo
Department of Mathematics, University of York
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