Matthew Knowles

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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

2018–Present	**University of York - MMath Mathematics. Grade: 1st (Expected 2022); Achieved a pass in the York Award**
	First year average: 68%, Second year average: 72%
2016–2018	**A-Levels at Droitwich Spa High School**
	Mathematics: A, Furhter Mathematics: B, Physics: B, EPQ: A*
2014–2016	**GCSEs at Droitwich Spa High School**
	A*AAAABBBBBC, Maths: A, English: B

Work Experience

20/07/20–16/9/20	**Research Intern, Department of Biology, University of York**
	Using Python and R to apply machine learning to CHiP-Seq data, identifying potential theraputic targets for novel breast cancer treatments
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

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 profficient in using tools such as Git, and Vim and UNIX based Operating Systems.

Communicative Languages

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

Volenteering

17/9/20–Present	STYC: Halifax College, University of York 7/6/20–Present
27/5/20–Present	Treasurer: University of York Men's Cricket Club Secretary: University of York Taekwondo Club
14/4/19–31/5/20	MathSTYC: Department of Mathematics, University of York
15/11/2016–12/05/2017	Maths Tutor at Droitwich Spa High School

Conferences

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

References

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