Matthew Knowles

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Education

2018–Present	**University of York - MMath in Mathematics. Grade: Expected 2022** Focus on Pure Mathematics, looking to do research in Algebra/Discrete Mathematics and Cyber Security
2016–2018	**A-Levels at Droitwich Spa High School** Extended Project Qualification: A* Mathematics: A Further Mathematics: B Physics: B
2014–2016	**GCSEs** A*, 4 A's, 5 B's and 2 C's Maths: A, English: B,B

Work Experience

12/10/18– 1/10/19	**Student Guide (Mathematics), University of York**
29/10/17– 03/09/2018	**Customer Service Assistant, WHSmith**
24/07/17– 18/08/17	**Nuffield Research Placement with University of Birmingham School of Physics and Astronomy**

Programming and IT

Python	I have several years of experience using Python. At GCSE I achieved an A* in the programming coursework on Python. Most of the work I have done in Python has been related to simmulation of Physical systems, and mathematical modelling.
Java	Studied Java at university, less familiar to me than Python but very comfortable.
LaTeX	Started using LaTeX during my GCSEs, this includes writing research papers and other documents such as research proposals, presentations (beamer) and this CV.
R	I studied R at university, and have done multiple pieces of coursework using it. I am very familiar with this language
Web	I have worked with standard HTML/CSS as well React.js
Linux	I am very familiar working in Ubuntu, and some experience in Kali.
Miscellaneous	I am profficient in using tools such as Git, and Vim.

Volenteering

April 2019–Present	**MathSTYC - University of York**
15/11/2016– 12/05/2017	**Maths Tutor at Droitwich Spa High School**

Communicative Languages

English	Native Proficiency
Norwegian Bokmål	Intermediate Proficiency (B1/B2)
Russian	GCSE Grade B (A1 Level)
German	GCSE Grade C (A1 Level)

Conferences

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

Other/Misc

Other interests include:

- Cricket: I play cricket for University of York Mens Cricket Club
- Hockey: I play hockey for my college's hockey team - Halifax College Hockey Club
- Distance Running: I am a self-coaching marathon runner, aiming to debut at the 2020 Yorkshire Marathon
- Several interests in the field of Computer Science, such as human-computer interaction, algorithms, machine learning and cyber security.
- I am a keen linguist, to date have studied several modern and archaic languages

References

Dr Benoit Vicedo
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