

# Matthew Knowles

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## Education

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

## Work Experience

12/10/18– 1/10/19	<b>Student Guide (Mathematics), University of York</b> This involves showing both parents and students around campus and answering questions they have about university life and making the transition from school to university.
29/10/17– 03/09/2018	<b>Customer Service Assistant, WHSmith</b> Working mainly on tills, I was a general assistant which meant doing odd jobs around the shop, shelf replenishment, banking and helping customers.
24/07/17– 18/08/17	<b>Nuffield Research Placement with University of Birmingham School of Physics and Astronomy</b> Spent one month researching cosmic rays, using statistical and geometrical techniques to locate potential sources of cosmic rays. The resulting report won third place at the 6 <sup>th</sup> annual HiSPARC conference at the University of Bath in 2018

## Volunteering

April 2019–Present	<b>MathSTYC - University of York</b> I am a peer mentor for upcoming first year undergraduates, essentially providing a more informal link between them and the department.
15/11/2016– 12/05/2017	<b>Maths Tutor at Droitwich Spa High School</b> Tutored GCSE maths to students that were deemed to be falling slightly behind in class to bring them back up to speed.

## Programming and IT

Python	I have 3 Years of experience using Python. At GCSE I achieved an A* in the programming coursework on Python.
Java	Learning Java at university, less familiar to me than Python but very comfortable
$\LaTeX$	I have been using since $\LaTeX$ GCSEs, this includes writing research papers and other documents such as research proposals and this CV.
R	I studied R at university in my statistics module. I achieved 82% on the coursework in R.
Web	I have worked with standard HTML/CSS as well React.js

## Communicative Languages

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

## Conferences

02/07/18	Presented at the 6 <sup>th</sup> Annual HiSPARC Conference, University of Bath. Research was presented from my Nuffield Research Placement
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## 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: My main sport, currently working on making 2024 Olympic Marathon trials
- Several interests in the field of Computer Science, such as human-computer interaction, algorithms 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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