

Sam Robert Whitehead

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Education

Kettlethorpe High School

2011-09 – 2016-07

GCSEs

Subject	Exam Board	Grade
Mathematics	AQA	A*
Further Mathematics	AQA	A**
Physics	AQA	A*
Chemistry	AQA	A*
Biology	AQA	A*
History	Edexcel	A
Computer Studies	OCR	A
English Language	WJEC	A
English Literature	WJEC	A
French	AQA	A

Other

Subject	Exam Board	Grade
Pearson Edexcel Award in Algebra	Pearson	Pass

NEW College Pontefract

2016-09 – 2018-07

	Subject	Exam Board	AS/A2	Grade
A Levels:	Mathematics	AQA	A2	A*
	Further Mathematics	AQA	A2	A
	Computer Science	OCR	A2	A
	Physics	AQA	AS	A

University of Nottingham

2018-09 – Current

Degree: MSci Computer Science

Experiences

Work Experience – NEW College Pontefract

2015-07

IT Assistant – 2 weeks

Personal Programming Projects

- Mandelbrot Generator in C <https://github.com/Ytrewq13/MandelbrotC>
- Heapsort in C <https://github.com/Ytrewq13/heapSort>
- BrainF**k interpreter in C <https://github.com/Ytrewq13/brainfuck>
- Rubik's Cube Timer in Java <https://github.com/Ytrewq13/CubeTimerApplicationJavaFX> A Level Coursework
- Maze Generator and Solver in Java and JavaScript <https://github.com/Ytrewq13/MazeMaker>
- Bouncing Ball Physics Simulation in JavaScript <https://github.com/Ytrewq13/JavaScript-Bouncing-Balls>
- Genetic Algorithm Example Program in Python and JavaScript <https://github.com/Ytrewq13/WordEvolution>

Programming Languages

Most Familiar With

C, Java, Python 3, JavaScript, Bash, L^AT_EX

Used At Least Once

PHP, Lua, C#, VimScript, Python 2, Groff (ms macros, eqn, ref), Perl, Haskell, BrainF**k

Workflow & Tech

- vim & tmux over ssh or locally
- Linux
- Raspberry Pi & Arduino