

# Sam Robert Whitehead

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## Education

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### NEW College Pontefract

2016-09 – 2018-07

#### A Levels

Subject	Exam Board	AS/A2	Grade
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

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### 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 A Level Coursework <https://github.com/ytrewq13/cubetimerapplicationjavafx>
- 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

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### Most familiar with

c, java, python, javascript, bash,

### Used at least once

php, lua, c#, vimscript, groff (ms macros, eqn, ref), perl, haskell, brainf\*\*k