Sam Robert Whitehead

https://github.com/Ytrewq13

Tel: +447478190577

Emails: sam.everythingcomputers@gmail.com
psysrw@nottingham.ac.uk

Currently in my third year studying Computer Science at the University of Nottingham. Interested in all aspects of software development, with particular interest in system administration and writing performant, efficient code through various optimisations.

Education

University of Nottingham   2018-09 − current

Degree: MSci Computer Science

First year grade: First
Second year grade: First

- Experience implementing various algorithms and data structures in C.
- Modules so far include:
    - Object Oriented Programming
    - Functional Programming (Haskell) - Fundamentals & Advanced Techniques
    - Software Engineering Group Project
- Can provide a comprehensive list of modules upon request (including grades)

NEW College Pontefract   2016-09 − 2018-07

A Levels

Achieved 3 A Levels, with grades A*AA (can provide details upon request).

Kettlethorpe High School   2011-09 − 2016-07

Achieved 10 GCSEs, including 5 A* grades and 5 A grades (can provide details upon request).

Experiences

Personal Programming Projects

Project description		https://github.com/Ytrewq13/...
• Mandelbrot generator in C		mandelbrotc.git
• Heapsort in C		heapsort.git
• Rubik's cube timer in Java	(A Level Coursework)	cubetimerapplicationjavafx.git
• Maze generator and solver in Java and Javascript		mazemaker.git
• Bouncing ball physics simulation in Javascript		javascript-bouncing-balls.git
• Genetic algorithm example program in Python and Javascript		wordevolution.git

Programming Languages

Very comfortable with

C, Java, Python, Javascript, Bash, LaTeX

Working familiarity

C++, R (ggplot2), PHP, Lua, C#, Vimscript, Groff (MS macros, EQN, REF), AWK, SED, Perl, Haskell, SQL