Piers Harris

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Enthusiastic computer science student eager to contribute to team success through flexibility and excellent initiative. Clear understanding of development and maintenance of both software and hardware and training in maths, logic and problem solving methods. Looking for a placement in software engineering.

EDUCATION

Loughborough University **BSc Computer Science and Mathematics** **2021-2025**

Expected Result: 1st , 1st achieved in both first and second years

Key Modules: Software Engineering, Object Oriented Programming, AI Methods, Probability and Statistics, Databases, Team Project, Numerical Methods, Mathematical Methods 1-3, Computer Graphics, Formal Languages and Methods

Reepham College **4 A-Levels** **2019-2021**

Mathematics (A*), Further Mathematics (A*), Physics (A*), Computer Science (B)

Reepham High School **11 GCSEs** **2014-2019**

Further Mathematics (A*), Computer Science (8), Mathematics (9), English language (6), English Literature (8), Biology (9), Physics (7), Chemistry (7), Religious Studies (5), Geography (5), Physical Education (6), Spanish (5)

SKILLS

Independent Working:	For the coursework section of my A-Levels, we were given the freedom to create whatever program we wanted. I decided to challenge myself with a large project so that I could use as many of the techniques and algorithms we had learnt as possible. Although this gave me significantly more work, I made sure to stay motivated and concentrated when working on my own so that I was able to meet the deadlines.
Teamwork and Communication:	Being part of several football teams throughout school and university has taught me to be able to communicate effectively and efficiently with my teammates and to prioritise the good of the whole team.
Presentation and Documentation:	In my Team Project coursework at university I was in charge of creating and managing the database. As all the parts of the project interacted with the database, I kept an up-to-date record including an Entity-Relationship Diagram to show how the different tables in the database interacted, as well as descriptions of each field in the database so that my team knew how to use the database for their parts of the project.
Analytical Thinking:	Often when encountering a logical error in code I have produced, I will use dry runs or trace tables to analyse the data output from each part of the program to locate the source of the problem.
Problem Solving:	Problem solving has been a major part of my studies, especially in sixth form and university and it is integral for solving mathematical problems and programming.
Initiative:	In my Team Project coursework at university, I quickly completed the work that I was assigned and, after making sure my teammates didn't need help, I decided to create an account page that I realised was needed for making a more functional website and was essential for achieving the highest marks. Because of this, we ended up getting 90% on the coursework.
Flexibility and Adaptability:	The majority of my time in college and my first semester at university were hugely affected by the Covid-19 pandemic. This meant I had to adapt to working from home which came with

less support from teachers. I successfully adapted to this new way of learning which led to my high A-Level and semester one grades.

PROGRAMMING LANGUAGES

Python: I've been using Python since high school and it had been my go-to language throughout high school and college where I used it to code the coursework part of my Computer Science A-Level. I have also frequently used it in several modules at university such as my AI Methods module.

Java: I have used Java often, including to make a car dealership management program for my OOP module and to make an image rectification program.

HTML/CSS and JavaScript: I began using these in college when making websites and have since used them to make a website in my Team Project module at university and to make my own portfolio website.

SQL: I first learnt SQL in college and then again in the Databases module at university and I used SQL to create and manage the database for my Team Project coursework.

PHP: I learnt PHP at university as part of my Team Project module and used it to communicate with the database in the Team Project coursework.

MATLAB: At university, I learnt basic MATLAB in my Numerical Methods module in which I used in several exams to achieve a mark of 93% in that module.

INTERESTS

I enjoy playing and watching many sports such as football and tennis. I have played for both my school football teams and am currently involved in a university football team which have given me invaluable experience in teamwork and commitment.

Over the past year I have also begun committing myself to regular gym sessions which has shown me the importance of dedication and perseverance. Usually I go with friends so that together we can support and push each other.

I also play musical instruments; I have been learning the piano since age four, and more recently teaching myself the trumpet. Through practising in my own time, I have also learnt to be self-motivated.

REFEREES

References are available upon request.