

# **Callum Brocklehurst**

<https://callumbrocklehurst.github.io/>

(References available on request)

## **Academic Study**

### **Previous Qualifications:**

#### **GCSE (Broughton High School / 2015/16):**

Computer Science (A*)	Physics (A*)	Chemistry (A*)
Statistics (A*)	English Language (A*)	Maths (A)
Biology (A)	English Literature (A)	French (A)
German (A)		

#### **AS Level (Cardinal Newman College / 2017):**

Physics (B)

#### **A Level (Cardinal Newman College / 2018):**

Computer Science (A)      Maths (A)      Further Maths (A)

#### **Current Study: MSci Computer Science at the University of Nottingham (2018 – 2022)**

Third Year Dissertation based around simulation and analysis of the factors influencing animal behaviour in captivity.

Recent studies have included a statistical analysis of a simulation of the performance of novel network concepts and their resilience to cyber-attack. My master project will build on knowledge I gained during this study and investigate different ways of improving the security in an opportunistic network.

### **Languages used throughout Study**

Python	Java	React.js	HTML
Visual Basic	Haskell	PHP	CSS
C	SQL	Javascript	Matlab

**September 2019 – May 2020:** Developed a web-based application in React.js and java for Capital One during my second year group project.

## **Work Experience**

**September 2019 – present:** Telephone Interviewer for IFF Research Ltd.

**June 2021 – September 2021:** Software Engineering Intern in an infrastructure team at Capital One

## **Hobbies and Interests**

I have a custom-built computer and have undertaken different projects such as a web server on our home network, along with a network hard drive so that all our devices can access the same data, which includes password protected access for different devices across the internet. I have also done a few personal software projects such as making an algorithmic trading bot using the Alpaca API for Python.

I was a member of the Lancashire junior squash team from the age of ten through to eighteen. My highest individual position in the England Squash National Junior Rankings was 35. I now play for one of the University of Nottingham teams. I am a keen cyclist and also enjoy rock climbing, camping and have completed my Duke of Edinburgh award at both gold and bronze level.

## **Positions of Responsibility**

I am currently running the IMS Squash Leagues for the second year in a row at the University which means that I am in charge of organising the matches for the players and making sure everyone turns up. This is very rewarding as I get to see people enjoying themselves based upon the work that I have put in organising the activity for them. I was a member of the Cripps Hall Junior Common Room Committee, which made me part of a team that organised events for the students of the hall. While some of these are purely social events, others had a theme of stress relief or assistance at exam time.

I was part of the Scouting movement from the age of five. I was a Young Leader at my Scout Group, and I still return to help out when I can. At high school I was chosen to be a senior prefect which involved me overseeing the rotas and persuading prefects to step in for others who were absent, even if it wasn't a desirable duty.

## **Additional Information**

- Gained Duke of Edinburgh Award (both Gold and Bronze)
- Clean UK Drivers Licence