

Robert Clarke

Computer Science MSci Student



I am a highly motivated Computer Science MSci student at The University of Nottingham, who taught electronics and programming to children in Cambodia and in the UK. I have also completed a number of electronics and programming projects in the past using Arduino, Raspberry Pi and more. I am confident using Git and the command line to manage my own code and other people's code when working as a team.

Contact

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www

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Skills

Web Development

Web APIs

Git & GitHub

Problem solving

Communication

Teamwork

Teaching and training

Attention to detail

HTML, CSS, JavaScript

PHP

MYSQL

NodeJS

Python

Java

Education

- | | |
|----------------------|--|
| 2019-09 -
2023-07 | Master's of Science: Computer Science
<i>The University of Nottingham</i> |
| 2017-09 -
2019-07 | BTEC Level 3 Extended Certificate: Computing
<i>Hornsea Sixth Form</i>
Grade: Distinction |
| 2017-09 -
2019-07 | A Level: Mathematics
<i>Hornsea Sixth Form</i>
Grade: A |
| 2017-09 -
2019-07 | A Level: Further Mathematics
<i>Hornsea Sixth Form</i>
Grade: C |
| 2017-09 -
2019-07 | A Level: Physics
<i>Hornsea Sixth Form</i>
Grade: B |

Work History

- | | |
|----------------------|---|
| 2018-11 -
Current | Web Developer
<i>INK MEMORABILIA LTD, Kingston Upon Hull</i> <ul style="list-style-type: none">• Determined coding requirements for site creation, including e-commerce capability, security and specialised scripts.• Optimised web assets for speed and performance• Designed, implemented and maintained web pages, plugins, and functionality for continuous improvement. |
|----------------------|---|

C / C++

Haskell

Mathematics

Hobbyist Electronics

Video & Image Editing

Customer Service

Cash register operations

Full UK driver's license

Extra Curricular

- Love camping and climbing mountains.
- Enjoy mountain and road cycling.
- In the summer of 2018 I walked the Coast to Coast with friends, to raise money for Alzheimer's Society.
- Helped build a dining shelter for deprived children in Cambodia, and taught them simple electronics and programming.
- Attended tech camp three times.
- Attended filmmaking camp.



Work History cont.

**2016-11 -
2020-05**

Sales Assistant

D & S Retail, Brandesburton, East Yorkshire

- Assisted customers with prompt and polite support in-person and over the telephone.
- Checked identification for proof-of-age and refused alcohol, tobacco, and lottery sales to under-age customers.
- Balanced and replenished cash machine and tills.
- Worked hygienically with food in the delicatessen.

**2018-07 -
2018-08**

Assistant Electronics and Programming Teacher

UK STEM LIMITED, Kingston Upon Hull

- Supported and taught hands-on electronics and programming to children between the ages of 7-12.
- Summer course funded by The University of Hull
- Helped children create their own electronics projects using the Crumble micro-controller and its own Scratch-like programming language.

**2015-09 -
2017-01**

Egg Farmer

G. Dean & Sons, Brandesburton, East Yorkshire

- Made sure chickens were fed and healthy
- Cleaned drinkers, sheds and machinery
- Dealt with dead animals
- Sorted, stamped, and packed eggs whilst maintaining proper hygiene standards



Projects

- Fantasy Premier League stats calculator. This receives data from the premier league fantasy football API, then calculates various stats, and displays them in a table on fantasy.robertclarke.co.uk
- Humber Bridge toll notifier. A web scraper that checks for outstanding bridge tolls. If one exists, a reminder text is sent.
- Created two simple operating systems using assembly and C code.
- Created simple neural-networks from scratch using both Java and Python.
- Built a 3D printer, then designed and printed models with it, including new drone parts.
- Built a drone from scratch. Originally built it as a simple quadcopter, controlled manually. Since then, I have added GPS, telemetry, and features such as return-to-home.
- Created a mobile version of Atari's Asteroids and published it on the Google Play store with online leaderboards.