

# Thomas Robson - Curriculum Vitae

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November 12, 2016

## Profile

I am a third year Computer Scientist seeking an Internship for the summer of 2017 in a prestigious and innovative company where I can continue to enhance my skills. I believe that I can offer strong technical and organisational skills, along with a professional attitude and good communication skills.

## Degree

Currently studying towards MEng in Computer Science at Durham University. Achieved a 1st in the first and second years of study.

- Programming Languages: Java, C/C++, Python, HTML, CSS, PHP, JavaScript, NodeJS, SQL
- Notable Topics Studied: Computer Vision, Machine Learning, Computer Security
- Individual Project: Camera-to-Camera Tracking for Person Re-identification within Thermal Imagery
- Group Projects: Web-Based Volunteer Management System for the Wear Rivers Trust Charity, Administrator and User Dashboard to Support the Citizen Science Approach of the MammalWeb Project.

## Qualifications

Educated at Wellington College September 2009 - June 2014, achieved the following results:

### **International Baccalaureate Diploma - June 2014:**

Total of 41 points :

- Higher Level Topics: Maths - 6, Physics - 6, Economics - 7
- Standard Level Topics: English - 6, Spanish - 7, Politics - 7
- Extended Essay on the theoretical grounding of Computer Science, exploring the proofs of Russell's Paradox, Gödel's Incompleteness Theorem and Turing's Halting Problem.

## **GCSE:**

Maths - A\*, English – A, Greek - A\*, Latin - A

## **International Baccalaureate Middle Years Program - June 2012:**

Full range of subjects studied, achieved six 7s and three 6s.

## **Work experience**

### **Cyber Security Summer School July 2016 – September 2016**

I took part in a 10-week summer school over the summer of 2016 to enhance my technical skills. Among the topics covered were networking, secure coding in C/C++ and python, low level operating systems and many aspects of computer security. This school consisted of a combination of learning about cyber security issues and trying both offence and defence using some of these techniques in a controlled laboratory environment using the tools supplied within the Kali Linux distribution by Offensive Security.

### **Microtek Laboratories June 2014 — October 2014 Assistant to MD**

During the summer of 2014 I worked for Microtek Laboratories Inc. This is a US based company specialising in the testing of electronic components. My job was to assist the set-up process of their new UK business, working alongside the Managing Director of Gen3 Systems Ltd (a UK based company with which Microtek has an existing relationship), to handle the customer communication, company set-up and testing services that occurred over this period. I served as the main point of contact between the US head office and the new European customers, and ensured that all required test work was carried out to the highest standard whilst keeping the customers fully informed of our process.

### **UK-Japan Cambridge University Young Scientist Workshop July 2012**

In the summer of 2012, I had the opportunity to take part in the UK Japan Young Scientist Workshop at Cambridge University. This was a week long collaboration between schools in the UK and Japan to take part in research projects with academics. My group examined ‘Nuclear Energy and the public perception of radiation’ with Professor Wade Allison, a world-leading researcher on the subject. I gave a presentation at the end of the week on our project to the events sponsors and special guests, which was an invaluable opportunity to develop my public speaking and presentation skills.

### **Young Rewired State August 2012 and August 2013**

I participated in two Young Rewired State events in the summers of 2012 and 2013, working in the Reading centre in the offices of Microsoft. These events are designed to introduce young people to the process of software development and after a week of development the event ended with a contest in Birmingham where all the centres came together. This was my first experience of programming and the software development process, and I greatly enjoyed the two projects that saw us create web applications based on open source data.

## Interests

I have a strong interest in all forms of technology, and enjoy investigating new developments in both hardware and software in the consumer and professional markets. This interest heavily influenced my decision to take a Computer Science degree, and it is a decision I'm glad I made.

My main hobby is Golf, which I play off a handicap of 13. I enjoy a casual game with friends and family, have played some match golf for Wellington College and Bearwood Lakes Golf Club, and spent 2015-2016 as Captain of University College Golf Club at Durham University.

## References

References available upon request.