

# Richard James Howe

## Curriculum Vitae

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### CONTACT DETAILS

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### CURRENT

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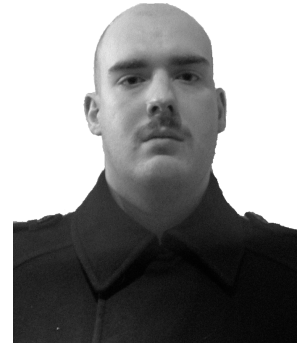
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### PREVIOUS WORK EXPERIENCE

- Air Training Corps (ATC)<sup>2</sup>
- Territorial Army; Logistics Corp.
- Aston University; Internship.
- Sportactics; German startup company.

### EDUCATION

- First Class Honors degree, BEng, Electrical and Electronic Engineering, Aston University.
- Studied at Aston University and Technical University of Munich (TUM).

### QUALIFICATIONS AND SKILL-SET

- BEng Electrical and Electronic Engineering, Aston University (TBC).
- Can program in C, MATLAB, bash, FORTH and VHDL.<sup>3</sup>
- Five years experience programming in C, Two in VHDL.
- Proficient in the use of Linux, L<sup>A</sup>T<sub>E</sub>X and the use of many other UNIX and open source tools (such as git, make, etcetera).
- Circuit design, testing and PCB design.
- GCSEs and A-levels taken at Alsager School.
- BTEC in aviation studies and the "Duke of Edinburgh Award".<sup>4</sup>

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<sup>1</sup>Emergency contact details

<sup>2</sup>The ATC is a military youth organization that does volunteer work throughout the community as well as teaching military skills to its cadets. I attended 2493 (Alsager) Squadron.

## HOBBIES, INTERESTS AND WORK EXPERIENCE

My primary hobby in life is Electronics, and this is the reason I chose to study it at Aston, I enjoy the problems it presents, and especially solving them and have done so from a young age.

A brief overview of my working life follows:

At the age of thirteen I joined the Air Training Corps, another passion at the time, which is a military youth organization. With them I went on adventure training activities, shooting, flying, annual camps and in the process learned a lot as well as enjoying it.

At the age of seventeen, whilst doing my A-levels, I joined the Territorial Army (TA), the reservists branch of the British Army, and under went basic training with them, which I excelled in.

By the time I went to Aston I decided it was best to concentrate on my studies and left the TA enabling me to do so, which has paid off as I am one of the highest scoring students in my year.

In part due to this fact and my membership with Aston's engineering society, Dr. Kate Sugden offered me a summer job at the university designing, testing, building and documenting electrical circuits and embedded systems for a national science fair being held at Aston University. The job entailed creating complete electronic packages including the PCB design and programming where necessary. These circuits were sold to the public and I among others helped to teach them how they worked and how to assemble them.

I participated in the Erasmus exchange program between Aston university and the Prestigious Technical University of Munich, where I studied mostly programming and mathematics for one semester.

I then worked for a German startup company called 'Sportactics' as a Linux and embedded software developer as well as advisor and project manager. This involved many different tasks and responsibilities due to the small nature of the company. My task involved mainly interfacing between different teams (both via meetings and code), the programming done primarily in C, targeting an embedded Linux system of my choosing (both hardware and the distribution).

Other interests of mine include reading and programming mainly in my languages of choice; C and VHDL, the latter of which my final year project was written in, a computing system on a chip with a tool-chain of my design.

I have now finished my degree with a first (honors) in Electrical and Electronic Engineering.



Sincerely,  
R.J.Howe



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<sup>3</sup>In both embedded systems and at the application layer to those languages which it is applicable.

<sup>4</sup>The Duke of Edinburgh award is awarded to under 25 year olds who commit to do a set amount of volunteer work as well as complete certain out door activities. The award has to be earned sequentially from bronze to gold.