

# Josh Homerston

Josh Homerston.  
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## **Contact details:**

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## **Current education:**

I'm currently in my fourth year of study for a Masters degree in electronics engineering at The University of Reading. My course has recently focused on the following subject areas: digital circuit design, analogue simulation, embedded systems, computer networking and programming in a wide variety of computer languages. To date the majority of grades I have achieved are scored above the level required for a First-Class honours degree.

## **Previous education:**

I attended Truro College in Cornwall where I gained the A-Levels listed below. Through primary and secondary schooling I attained 10 GCSE's all at grade C or above, including three A\* grades.

### **A-Level subject:   Grade awarded:**

Electronics	<b>A</b>
Geology	<b>B</b>
Chemistry	<b>C</b>
Physics	<b>D</b>

## **Current employment:**

I am currently self-employed as an electronic systems designer and a microcontroller specialist. I have been working in this field since July 2008, as I desired to expand my horizons and broaden my knowledge of electronics within industry. I thoroughly enjoy this field of work, and am pleased with the diversity of projects I have worked on to date. These include; a complete electronic remote telemetry system for a small company based in the UK and a hardware controller system for vending machines.

This work typically requires experience of analogue and digital design, as well as software development. While my university education has contributed to my skills, in these fields I am largely self-taught. I have a wealth of experience with microcontrollers and enjoy coding firmware for them in assembly language, I am also schooled in programming PICs with C. In addition to this employment, during university term time I help younger students to learn programming in C and C++.

## **Previous employment:**

I was previously employed by 'Maplin Electronics' in Reading, as a part-time sales advisor. I worked in this post from October 2007, until August 2008. My duties included stocktaking, advising customers about both computer hardware and electronic components and ensuring that the stock on display was in line with the company's requirements.

**Current Goals:**

I am working hard towards attaining a First-Class honours degree, and I am predicted to achieve this. After I have finished my degree, I hope to join the IEEE (Institution of Electrical and Electronic Engineering) and, once I have found gainful employment, continue my education through the Open University. I would also like to expand my proficiency in multiple computer languages, as I believe this is a valuable skill.

**Outside Interests:**

- I maintain my own company website hosted at <http://www.6dof.net> and a personal website available at <http://www.bluishsmoke.co.uk>. I develop all the features of these websites without the use of frameworks, to maximise compatibility. The web-technologies I have experience with include JavaScript, php, (X)HTML and CSS.
- I enjoy walking, listening to music, and watching films. I have an interest in cutting-edge technology of all types and I try to stay abreast of technological developments. I am a keen cook, enjoying good food and dining out. I am also a member of the Computer Conservation Society, or CCS and I read their quad-annually publication with great interest.
- In my spare time I enjoy writing computer programs for the PC, and have made several to date. These include: a graphical user interface for an open-source command-line video encoder and a control program for remote control servo-motors, to be used in animatronics applications.

**Other Information:**

I hold a clean UK driving licence, though I currently do not own a car. For my performance in the university first year exams, I was awarded a financial prize for attaining grades among the top 150 students at the university. I continue to enjoy my university course and believe I am maintaining the university/paid work balance well.

**References:**

1. **Position held:** University personal tutor.  
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Further references are available upon request. Please note that Dr. Shirsavar may only be contactable during university term times.