

## Personal Biography

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I am currently employed by **Magna Parva Ltd.** as a Advanced Development Engineer, enhancing the skills I learn after graduating with distinction in my degree in **Space Technology and Planetary Exploration** which has many aspects in common with electronic engineering degrees. I have always maintained high average grades at school, with A's at GSCE and A level. From an early age I have been around and involved in various businesses, therefore I believe that my business and managerial skills are probably more highly developed than a potential employer would usually expect from a young graduate. Since attending University of Surrey I have been actively involved in voluntary work for St John Ambulance and have become very involved in organisational, logistical and managerial roles. I have also joined a local community ran electronics workshop where I participate in open source projects in both electronics and programming.

- Programming Experience
- Keen **Self Motivated** Worker
- Practical Lab Experience

## Technical Skills

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I am a capable programmer in multiple languages including C, C++, PHP, bash, Maple, MatLab and MySQL. I have also created multiple websites by using WYSIWYG editors such as Dreamweaver or Fireworks and also manually by editing HTML, PHP and CSS. I am competent in the use of a variety of different Operating Systems including Windows (XP and 7), Linux (Ubuntu Desktop, Server and embedded systems) and Mac OS X. I also enjoy repairing computer hardware as well as setting up SoHo computer networks.

I have experience in a Laboratory working environment and used to keeping an accurate log book. I am competent in the use of oscilloscopes, voltmeters, electronic circuit analysis and I am also a proficient solderer. Additionally I have experience in PCB design and soldering intricate SMD components.

My approach to engineering is very practical, I enjoying problem solving with immediate physical solutions. This approach has lead me to quite often fix problems in a fast and effective manner, whilst allowing time to develop more permanent solutions without impacting on essential operational demands.

## Educational Background

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### University of Surrey (2006 to 2011)

Space Technology and Planetary Exploration, IET accredited degree  
Graduated with a Masters in Engineering (MEng) Distinction

First Year: 81.5%	Second Year: 73.7%
Placement Year: 69.1% AUS Merit	Third Year: 72.4%
Masters Year: 81.5%	Overall: 76% Distinction

### St. Bede's School, The Dicker (2001 to 2006)

British Secondary Education  
Completed A-levels and GSCE's

Physics: A	Mathematics: A
Business Studies: A	Media Studies: A
GCSE: 5 A*, 2 A, 1 B and 1 C	

## Professional Experience

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### **OC Robotics (2008 to 2009)**

My placement year was with a small company that specialised in snake arm robots. I experienced a chance to perform extensive cable testing, as well as embedded programming to create my own linear encoder and to create a PHP/MySQL component tracking database system.

### **St John Ambulance (2006 to present)**

Since joining St John Ambulance I have undertaken management and leadership responsibilities including that of front line Duty Management ensuring the welfare of my team and the general public in situations involving their health and safety. I have managed large scale events which required a medical team presence, being the Bronze Officer responsible for the emergency dispatch of all vehicles and a high profile first aid post. I have also designed, programmed and operate the local Surrey LINKS website in which I have embedded implement solutions to improve the usability of the data.

### **Computer Confidence (2011)**

Working for a small IT company has allowed be to expand my knowledge of server and computer systems. My role was primarily Linux based server administration, automating processes such as running updates and backups on a dedicated hosting platform. It also involved the customisation and PHP scripting within multiple websites, including Search Engine Optimisation (SEO), W3 code validation and social media integration (Twitter, WordPress, Facebook).

### **Magna Parva (2011 to present)**

I am currently employed at Magna Parva Ltd as a development engineer.

## References

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References available on request.