Matthew Philip Care

Personal Profile
A highly motivated, enthusiastic second year computer science undergraduate, with a passion for the computing world. Able to work well as part of a team, as well as individually.

Relevant Skills
Technical
- Programming experience in **Java, Python, Haskell, PHP** - projects undertaken as part of my university coursework include a cardboard box ordering system, and a program that drew different shapes in a patchwork pattern.
- Competent web developer, with experience in **HTML5, CSS3** and **Javascript** - created an e-portfolio as part of a university coursework, as well as personal websites.
- Proficient git, and github user - used frequently for most of my university work, as I find the ability to track the different versions of my work very useful.
- Familiar with Windows, OS X and Linux / Unix operating systems

Interpersonal
- Teamwork - extensive experience with working in, as well as leading, teams of varying sizes.
- Communication - able to quickly convey information and instructions in a decisive manner.
- Problem solving - constantly searching for new ways to solve problems and making processes more efficient.

Education
University of Portsmouth   *2011 – 2015*
BSc (Hons) Computer Science   *achieved an upper second in year 1*
Year 2 units:
- Introduction to software engineering - Learnt how to deliver presentations effectively, as well as the importance of ensuring the design and specification is completed correctly before attempting to write a piece of software.
- Advanced programming concepts - Designed and created object oriented programs in Java.
- Data structures and algorithms - Making certain decisions, such as ensuring my algorithm is as efficient as possible is very important, and needs to be taken into consideration whilst programming. I have used this knowledge when implementing a binary search tree in my functional programming work to make it more efficient.
- Computer operating systems and intermediate networking - How to create and maintain an efficient network, and simulate them using OPNET.
- Discrete mathematics and functional programming - I've learnt a lot about how mathematical concepts relate to computer science; for example how graph theory is relevant in networking
- Web-script programming - Improved my skills in designing a product to be user friendly, and how to add a lot of functionality but make the features easy to use, such as using AJAX to dynamically populate pages.

Castell Alun 6th Form   ***2009 – 2011***
A Levels: Physics (C), Computing (C), Maths (D)
AS level: Design and Technology (C)
Completed the Welsh Baccalaureate (equivalent of an A at A level)

Achievements
One of the requirements for the Welsh Baccalaureate was 30 hours of voluntary work, which I decided to continue with afterwards, achieving further awards for my outstanding services to the community. I helped run a twice-weekly after school club, for about 50 secondary school pupils, distributing food, and assisting pupils with homework. I was also part of a student mentoring scheme, enabling me to work with students with learning difficulties.

Taken part in a 'Dragons Den' like competition, where I, as part of a team, had to propose an idea for a charity event and then present the idea to a group of entrepreneurs, who would then help fund the winning team's event.

Castell Alun High School   ***2004 – 2009***
11 GCSEs at grades A* - C (Including Maths, English literature and English Language)

Work Experience
Gap personnel   ***June 2012 - September 2012***
Sharp Manufacturing UK Solar Division Operative
During my time here, I was able to experience a variety of different roles within a factory environment, as well as working long 12 hour shifts, during days and nights. I found it an excellent first hand lesson on how completing your job to a high standard, and efficiently, will cause less problems, and enable more productivity, whilst working on the production line.

PC World
Sales Team / Tech Guys   ***May 2010***
I undertook this placement as part of my 6th form's work experience scheme, and during my placement I learnt a lot about retail, and how to perfect my customer service skills. I was also given the opportunity to be a member of the Tech Guys team, where I got to show off my knowledge of computer hardware repair, as well as how to tackle software issues.

Her Majesty's Revenue and Customs   ***May 2008***
This placement was part of my school's work experience programme. On this placement, I was given the chance to work with sensitive data, changing the personal data of residents. I also worked with a complex paper based file system, which I was given the task of organising, and sorting.

Interests and Activities
- I am a member of the University of Portsmouth rock climbing and mountaineering society, as well as being a member of the computing society.
- With self-motivation, I have taught myself how to use Photoshop, and have created and designed a website. I am also an avid computer enthusiast, and have built many computers, for many people, including myself.
- I enjoy playing piano, which has been an important recreational hobby of mine for many years.