

Harrison Cooper

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Education and Qualifications:

University of Sheffield, MComp Computer Science with Year in Industry, 2015 - 2020

My course exposes me to a wide range of programming languages such as Java and Python, with a strong emphasis on applying these skills in large scale team projects.

Awarded an academic scholarship on entry to the university due to A level achievements.

Reading Blue Coat School, 2008 - 2015

A-Levels: Maths (A), Physics (A), Biology (A)

GCSEs: 6A*'s Including Maths, English and Science, 3A's, 1B

Relevant Experience:

Engineering You're Hired, January 2017

I was part of a team of 6 students from different engineering disciplines, where we managed and designed a solution for autonomous inspection of chemical plants; presenting our final solution to a board of industry experts. My responsibilities included:

- Leading the group on Presentation Day, achieving the "Best Pitch for Funding" Award.
- Making sure everyone in my team was involved and focused on their individual tasks.
- Researching extensive details about the feasibility of our designs and documenting them.

I also took part in Global Engineering Challenge Week the year prior, achieving the "Professional Behaviours" Award.

Technotomy, Guildford, July 2013 - September 2013

I worked with a small group of professional software engineers, developing their in-house project.

My responsibilities included:

- Attending client meetings, contributing ideas and taking notes.
- Use of git and java to develop their current project.
- Applying recently learnt technical skills, such as reading "Head First Design Patterns", and implementing the techniques into the current build.

Additional Experience:

Eleveneses Sandwich Shop, Farnborough, 2014 - 2016 (summer holidays)

Working both on and off site showed to me the multi dimensional aspect of businesses, and how all areas of the company need to contribute for the business as a whole to succeed.

Off site responsibilities include:

- Negotiating with suppliers to find the best deal.
- Updating expense forms to expose areas of the company that could improve efficiency.

On site responsibilities include:

- Dealing with customers and handling money.
- Working under pressure in a time sensitive situation.

Skills:

Computing - Studying for a degree in computer science, I have gained several important IT skills. For example, whilst providing an online food ordering system for a client, I incorporated my knowledge of HTML, Ruby and MySQL while properly documenting and providing unit tests. I am also well versed in: Java, Python, CSS, Haskell, and git.

Teamwork - Partaking in the Global Engineering Challenge week, my group was successful in achieving the Professional Behaviours Team Award. Working as a group, we used our skills to design a high tech solution for a low tech problem in Bambui. Additionally, I was part of the combined cadet force in school for 4 years, giving me invaluable experience into the best aspects of working in, and managing a team.

Communication - During my course, I have developed strong written and verbal communication skills, by actively taking part in client meetings and delivering presentations to industry experts. In addition, as general secretary for the university strength sports club, I send out weekly emails to members informing them of the events occurring that week, and liaise with event organisers to have our team properly supported.

Problem Solving - Whilst at school, I competed in the intermediate and senior UKMT maths challenges which stretched my application of knowledge to complex problems. My degree also provides difficult analytical and numerical problems to solve.

Motivation - Whilst kayaking for day long expeditions, I have to keep both myself and my team's motivation high. Throughout life, I've enjoyed attaining high grades whilst balancing a wide range of extra curricular activities, such as rowing, societies and reading.

Other - I hold a full, clean driving licence, and am a car owner.

Interests / Activities:

University of Sheffield Strength Sports Club

Active member since I started uni, obtaining the position of General Secretary, 2016 - 2017. This involves:

- Organising committee meetings.
- Coaching new and current members.
- Implementing a new website for the club.
- Communicating with other committee members to help promote the club.
- Establishing a modern e-mailing system to keep members up to date with the club.

I am an avid gym goer, and am always motivated to keep pushing and improving myself.

Kayaking

I'm a fully qualified level 3 sea kayaker, having led several expeditions around the south coast of England. A lot of planning goes into these expeditions, and good communication between the group is vital.

Travelling

During the summer of 2015, I was fortunate enough to go inter-railing around central eastern Europe for 2 months. Here, I was able to develop my communication and time management skills, having to navigate around new cities and catch specific trains without knowledge of the country or language.

References:

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