**Harrison Cooper**

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**Education and Qualifications:**

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

Throughout University, I have developed a wide range of technology consulting skills, including problem solving and leadership, with experience in applying them to large scale team projects. **Currently predicted a 1st** and was awarded an academic scholarship on entry to the university.

**Reading Blue Coat School, 2008 - 2015**

A-Levels: Math’s (A), Physics (A), Biology (A)

IGCSEs: 6A\*’s Including Math’s, English and Science, 3A’s, 1B

**Relevant Experience:**

**1st Place at Hack Med, Major League Hacking, April 2017**

I was the lead developer during a 24-hour international Hackathon, working in a multidisciplinary team to develop a way of diagnosing antibiotic resistant diseases in sick patients and sending the results to their Doctor in real time. My contributions included:

* + - Keeping the team motivated and on track throughout the competition as time was extremely limited, using my team work skills.
    - Planning out realistic time goals for the project and ensuring the team was able to meet them, using my time management skills.
    - Presenting my solution to Hackathon attendees and answering questions from the Industry Experts.
    - Establishing relations with the events sponsors, seeing whether any of their products would be beneficial to our project.

More information can be found at [www.devpost.com/software/dnamazing](http://www.devpost.com/software/dnamazing)

**Engineering You’re Hired! January 2017**

I was part of a team of 5 multidisciplinary engineering students tasked to find a solution for Autonomous Inspection and Early Detection of Cracks and Corrosion in a Nuclear Pressurized Water Reactor.

* + - In charge of feasibility analysis of data retrieval, handling and storage from the video and ultrasonic sensors, including using image recognition to detect early signs of cracks.
    - I presented my findings to the other teams and industry guests, answering their technical questions. My team was awarded “Best Pitch for Funding”.
    - Produced Gantt Chart showing total time required from start to finish and cost of the project.

In first year, I took part in a similar Engineering Challenge week developing a solution for real-time air quality monitoring in Bambui, Africa. Led my team on presentation day, achieving the professional behaviours award.

**Additional Experience:**

**Manager, Elevenses Sandwich Shop, Farnborough, July – September 2017**

Investigated areas of the business that could be more efficient, streamlined day to day running.

Some of my implementations include:

* + - Sourcing and Negotiating with new suppliers to find the best deals, enhancing my communication skills.
    - Handling staff holidays and problems, making sure the business always had enough employees to open each day.
    - Working with Peninsula to create employee contracts and implement workplace pensions, using my attention to detail to ensure they were correct.
    - Creating an online presence for the business, [www.elevenses.net](http://www.elevenses.net/), allowing both on-foot customers and executive buffets to be ordered online for collection or delivery, increasing our outreach and sales.

**Skills:**

**Analytical –** Data Driven Computing has been my most enjoyable module, using big data along with machine learning to provide an insightful look at otherwise unusable data, helping facilitate the best options available. My degree constantly challenges me we complex analytical problems, and I take satisfaction in producing high quality code and reports.

**Teamwork** – During HackMed I worked with a group of 4 scientists from other Universities to devise a solution to a problem facing the medical industry, within 24 hours. During team discussions, I brought in quieter members of the team to fully explore their thoughts, leading to ideas the rest of the group hadn’t thought of.

**Communication** -During my course, I have developed strong written and verbal communication skills, by actively taking part in client meetings and delivering presentations. In addition, during my time as general secretary for the university strength sports club, I sent out weekly emails to members informing them of the events occurring that week.

**Time Management** – HackSheffield 3.0 was a 24-hour hackathon where I worked in a team to create a bitcoin trader. Being on such a restricted time scale meant every minute count, and through effective time management we got passed some tough sticking points.

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

**Interests / Activities:**

**University of Sheffield Strength Sports Club, General Secretary, 2016 - 2017**

Active member since I started University.

My responsibilities included:

* + - Organising committee meetings, ensuring everyone knew where to go and when.
    - Coaching new and current members, requiring strong communication skills.
    - Implementing a new website for the club to increase club outreach.
    - Establishing a modern e-mailing system to keep members up to date with the club.

I came Third at the Northern Universities Powerlifting Competition.

**Kayaking**

I’m a fully qualified level 3 sea kayaker, having led several expeditions around the south coast of England. These require careful planning and good communication between the group.

**References:**

Professor Rob Gaizauskas Mrs. Kim Cooper

Department of Computer Science Owner of Elevenses

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