

Harrison Cooper

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Education and Qualifications:

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

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

Currently predicted a 1st and awarded an academic scholarship on entry to the university.

Modules include:

- Adaptive Intelligence, 1st – Using Python to implement and compare state of the art artificial intelligence algorithms, reducing error rates, showed me the potential of this technology.
- Modelling and Simulation of Natural Systems, 1st – I enjoyed working in a team developing a realistic model of disease spread using Matlab.

Reading Blue Coat School, 2008 – 2015

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

IGCSEs: 6A*s Including Maths, English and Science, 3As, 1B

Experience:

Investment Banking Strategy, Goldman Sachs, June 2019 - Present

Time split between Equity Capital Markets and Investment Banking Services.

Working on and productionising several tools including increasing the efficiency of our investor analytics demand curve app by 66%, and providing new data-driven insights from our newly on boarded due diligence vendor.

Findings are presented back to the wider strategy community and insights shared with senior leaders.

IT Project Management, Rolls-Royce plc, June 2018 – June 2019

Analyst in Business Intelligence and Project Management Office.

I was the Product Owner for a new series of BI tools - used by over 3,000 engineers and supported the Governance Manager with change management and prioritising demands.

I became a Certified Scrum Product Owner and attained the Lean Six Sigma Yellow belt.

HackMed 2019 Hackathon – Sponsor Prize Winner

Machine Learning developer using Python and the K-nearest-neighbour algorithm to predict the likelihood of a patient having Parkinson's disease - achieving 70% accuracy on an academic data set.

HackMed 2017 Hackathon – 1st Place

Lead developer using Python to diagnose antibiotic resistant diseases in sick patients and sending the results to their Doctor in real time.

More information can be found at www.devpost.com/HarrisonCooper

Skills:

Computing – During studying for a Degree in Computer Science and taking part in external coding projects I've found myself well versed in envisioning, building, and deploying scalable software in several programming languages and technologies, including: **Python, Node JS, WebRTC, Ruby, SQL, MongoDB, Java, C, HTML5, CSS, Haskell**, and **Git**.

Problem Solving – During Engineering You're Hired I solved the problem of transferring, storing, and mathematically analysing data inside a nuclear reactor.

Teamwork – During HackMed I worked with a group of 4 scientists from other Universities, we had 24 hours to devise a solution to a problem facing the medical industry. During team discussions, I made sure to bring in the quieter members of the group and explore their ideas with the team.

Communication – Whilst at Rolls-Royce I have developed strong written and verbal communication skills by compiling weekly emails seen by over 200 Project Managers, and actively seek out suppliers and stakeholders when working on projects.

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

Interests / Activities:

University of Sheffield Brain Computer Interface

As a new society to the University in 2017 I was able to make a significant impact on the steering of the project.

- I lead the technical design team during the initial phase, suggesting languages and architecture for the development of the project.
- Presenting summaries, feasibility analysis and progression to the rest of the society.

University of Sheffield Strength Sports Club

Active member since I started University, obtaining the position of General Secretary, 2016 - 2017.

My responsibilities included:

- Organising committee meetings.
- Coaching new and current members.
- Implementing a new website for the club to increase 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.

References:

Available upon request.