


Oliver Denton

Data Scientist & Investment Analyst

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Experience

A.I. Research Intern @ Defence Science and Technology Laboratory (U.K. Ministry of Defence)

June 2021 – September 2021 // Porton Down, Wiltshire

- Designed, developed, and tested deep learning models and generative adversarial networks for use in areas of image and natural language processing (work covered by security clearance).
- Wrote modern, performant and robust Python and PyTorch for a diverse array of use cases and model architectures.
- Helped solidify project direction by researching and building brand new proof-of-concept systems for a variety of applications.
- Communicated and collaborated with multidisciplinary teams of engineers, military advisors, and industry partners. Presented work and ideas on a regular basis.

Investment Analyst @ Twikker Fund, University of Sheffield Investment Society

October 2021 – Present // Sheffield, South Yorkshire

- Member of Europe's largest student run investment fund (circa £210,000 AUM).
- Provide information and advice to the team regarding potential investments. Pitching and purchasing new investments twice a week.
- Researching and analysing investments from a variety of asset classes including equities, bonds, securities, mutual funds, and commodities.
- Managing risk and developing sound investment strategies.

Lab Demonstrator @ University of Sheffield

September 2021 – Present // Sheffield, South Yorkshire

- Currently supporting three undergraduate computer science modules ('Introduction to Software Engineering', 'Web and Internet Technology', and 'Programming, Problem Solving and Object-Oriented Design').
- Explaining complex, abstract concepts to students from both technical and non-technical disciplines.
- Guiding students through problem solving as well as fixing bugs and resolving technical issues.

Technical Writer (Freelance) @ Data Driven Investor

March 2021 – Present // Remote

- Written several articles for a popular online publication, mostly about artificial intelligence and finance.
- Role involves careful research, planning, fact-checking as well as making alterations based on feedback.

Tutor @ Fire Tech

May 2021 – Present // Remote

- Taught several computer programming courses including Java, Python, and web development amongst other introductory modules to small groups of children aged 8 – 17.
- Planning lessons, grading assignments, and giving useful feedback.

Team Member @ Greggs

May 2017 – June 2021 // Sheffield, South Yorkshire

- Part-time role held from the age of sixteen. Served customers and fulfilled other responsibilities.
- Learned about cash handling, following instructions, taking the initiative and clear communication.

Education

BSc Artificial Intelligence and Computer Science @ The University of Sheffield

2019 – 2022

Currently in third year on track to graduate with a first-class degree in 2022,
Second year overall grade: 83.0%,
First year overall grade: 75.7%.

IBM: Deep Neural Networks with PyTorch @ Coursera

Summer 2021

Completed a 7-week course covering building and evaluating multiple machine learning models.
Grade achieved: 84.9%

A-Levels @ Aston Academy

2017 – 2019

Computer Science – A

Physics – A

Mathematics – B

Extended Project Qualification (Quantum Computing) – A*

GCSEs @ Aston Academy

2012 – 2017

9 A*s, 2As, 1B (including Mathematics – A* and Computer Science – A*)

Skills

Programming Languages

Python, Java, Ruby, JavaScript, Haskell, SQL, HTML, CSS

Libraries and Frameworks

PyTorch, Bootstrap, Ruby on Rails

Tools and Platforms

Git, MySQL, SQLite

Interests

Basketball, skiing, reading, travelling, hiking