Oliver Denton

Data Scientist & Software Engineer

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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 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.

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.

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 solving technical issues

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.

Industrial Placement @ Metalysis Materials Discovery Centre
June 2028 — July 2018 // Advanced Manufacturing Research Centre, Rotherham

- Worked in both research and development and analytics departments.
- Key responsibilities included running and maintaining electrolysis experiments, taking, measuring, and recording samples.
- Helped develop a neodymium-iron-boron alloy for use in magnets.

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