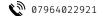
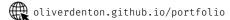
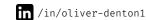
# **Oliver Denton**

### Data Scientist & Software Engineer









### **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 Introduction to programming and problem solving).
- > 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