

Oliver Denton

✉ ojdenton1@sheffield.ac.uk ☎ 07964022921 🌐 oliverdenton.github.io/portfolio 📄 /in/oliver-denton1

EDUCATION

University of Sheffield

Sheffield

Bachelor of Science in Artificial Intelligence and Computer Science

Graduating June 2022

- Currently in third year and predicted to graduate with a first-class degree in 2022.
- Relevant coursework: Dissertation project entitled 'Inferring what retinal neurons encode using machine learning techniques'. Currently building deep neural networks and models for a range of neuroscience tasks.
- Second year overall grade: 83.0%
- First year overall grade: 75.7%

WORK EXPERIENCE

Steyn Group

Sheffield (Remote)

Data Engineer & Investment Analyst

Nov 2021 - Present

- Scoping and researching data sources to create project plans. Sourcing, extracting, and cleaning data, using ETL techniques to create data pipelines.
- Analysing data by building dashboards and statistical models to value real estate and private companies, unlock new investment opportunities, and analyse how the current market changes week over week.

Defence Science and Technology Laboratory (U.K. Ministry of Defence)

Porton Down

A.I. Research Intern

June 2021 - Sep 2021

- Researched large datasets and developed deep neural networks to perform model discovery, uncovering trends and insights (work covered by security clearance).
- Designed, developed, and tested generative adversarial networks for use in image and natural language processing.
- Wrote modern, performant, and robust Python and PyTorch to create brand new proof-of-concept systems using an array of model architectures.
- Communicated and collaborated with multidisciplinary teams of engineers, military advisors, and industry partners. Presented work and ideas on a regular basis.

Twikker Fund, University of Sheffield Investment Society

Sheffield

Twikker Fund Investment Analyst

Oct 2021 - Present

- Europe's largest student run investment fund (circa £210,000 AUM).
- Researching, analysing, and pitching investments from a variety of asset classes including equities, bonds, mutual funds, trusts and commodities.
- Managing risk and developing sound investment strategies.

University of Sheffield

Sheffield

Lab Demonstrator

Sep 2021 - Present

- Currently supporting three undergraduate computer science modules ('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 backgrounds.
- Guiding students through problem solving as well as fixing bugs and resolving technical issues.

SKILLS

Programming Languages: Python, Java, Ruby on Rails, JavaScript, SQL, HTML, CSS

Libraries and Frameworks: PyTorch, Bootstrap, Ruby on Rails

Tools and Platforms: Git, MySQL, SQLite