

# Owen Drummond

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## Education

### The Highfield School

A-Levels - Mathematics, Geography, Business Studies (A\* A A)

Sep 2017 - Aug 2024

Letchworth, Hertfordshire

- **Relevant Information:** - An extremely motivated and passionate student, recognised for my dedication and love of learning. I have studied mathematical principles including calculus, algebra, and statistics, alongside business operations and data analysis techniques specifically tailored for practical business applications.

## Experience

### Screwfix

Sales Assistant

Mar 2023 – Present

Letchworth, Hertfordshire

- Coordinated national app promotions at my local store, resulting in a sustained engagement increase of over 15% with the Screwfix app.
- Enhanced the promoter score by 30% since September and accelerated in-person sales by 1.5 to 2 times, driven by effective problem-solving skills and exceptional customer service.
- Frequently recognised and rewarded for my efforts in overdelivering on optional tasks and effectively solving difficult problems.
- Actively consulted with the data and operations team at Screwfix's head office to identify areas for improvement, driving initiatives that enhance operational efficiency, sustainability and ultimately boost customer satisfaction.

### Napier AI

Machine Learning Engineer/Data Science Intern

Sep 2024 – Nov 2024

Canary Wharf, London

- Played a pivotal role in developing and deploying an innovative, industry-defining machine learning model for anti-money laundering, designed to analyse over 10 key financial metrics across 30+ countries.
- Thoroughly analysed data from the model's results and generated visualisations and graphs in Excel for a designer, which are incorporated into high-profile reports for use in publications such as the *Financial Times* and *Bloomberg*.
- Successfully led a team of 6, providing guidance on complex data-related queries and ensuring accurate inference on raw data. My contributions had a global impact, influencing decision-making for businesses across multiple international markets.

### WGSN

Data Analyst Work Experience

Jun 2023 – Jul 2023

Holborn, London

- Analysed fashion market datasets using regression techniques to identify key factors driving trends, providing valuable insights into consumer behaviour and industry patterns.
- Employed trend forecasting methods to draw data-driven insights about future market movements, effectively predicting potential changes and opportunities.
- Developed and delivered a comprehensive presentation outlining potential future trends in the fashion industry, backed by data from 5 years of market research.

### Goldman Sachs

Software Engineering Virtual Work Experience

Sep 2024

Goldman Sachs, Forage

- Completed a job simulation as a Goldman Sachs governance analyst responsible for assessing IT security and suggesting improvements.
- Identified that the company was using MD5, an outdated password hashing algorithm, by cracking passwords with Hashcat. I recommended transitioning to more secure hashing algorithms, such as bcrypt or Argon2, which offer enhanced protection against attacks and improved overall security for user credentials.

## Projects

### Trojan | React.js, MongoDB, Python, Flask, OpenAI API

- A comprehensive cyber education platform crafted to deliver interactive and engaging learning experiences, catered to business applications after spotting a gap in the SaaS market.
- Integrated an AI chatbot powered by the OpenAI API to offer personalised assistance and real-time support for users.
- Created a custom module creation tool that enables dynamic content generation and tailored learning courses.

### Digit Classification Tool | Python, Tensorflow, Tkinter

- Developed an image classification tool featuring a Tkinter user interface, leveraging neural networks specifically trained on the MNIST dataset to accurately recognise handwritten digits.
- Optimised the neural network architecture for improved speed and accuracy, achieving over 98% accuracy on test data.

## Technical Skills

**Languages:** Python, JavaScript, TypeScript, R, SQL.

**Technologies:** React.js, Flask, Express.js, Figma, Excel, Hubspot, TensorFlow, PyTorch, Jupyter, Keras, Scikit-Learn, Pandas, HuggingFace.

**Courses:** Introduction to Data Science with Santander, Engineering with Airbus, Machine Learning Career Path with Codecademy, Frontend Software Development with Freecodecamp.