# ROSS USHER

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## PROFESSIONAL SUMMARY

I am a Master's student in Advanced Computer Science with a strong focus on Artificial Intelligence and Machine Learning. Passionate about leveraging data-driven solutions, I have developed expertise in AI/ML algorithms, data analysis, and model optimization. With hands-on experience in programming, data structures, and software development, I am adept at using tools such as Python, TensorFlow, and scikit-learn to solve complex problems. Eager to contribute my skills in a dynamic environment, I am seeking opportunities to apply my academic knowledge to real-world challenges and further my career in AI/ML.

## SKILLS

| | | |
|---|---|---|
| Python Programming | Supervised Learning | Tensorflow \| Scikit-Learn |
| Optimisation Techniques | Unsupervised Learning | Pandas \| Matplotlib |

## EDUCATION

**MSc - Advanced Computer Science**
Swansea University, [Graduating: Sep 2025]

- **Relevant Modules:**
    - Computer Vision and Deep Learning
    - Big Data and Data Mining
    - Symbolic AI & NLP
    - Optimisation
    - Information Security Management

- **Expected Grade:** Distinction

**BSc (Hons) - Computer Science**
Swansea University, [Graduated: August 2024]

- **Relevant Modules:**
    - Big Data and Machine Learning
    - Artificial Intelligence
    - Brain Inspired AI
    - High Integrity Systems
    - Software Engineering

- **Achieved:** 1st-Class Honours

## EXPERIENCE

**Data Annotator for NLP Model Training**
DataAnnotation.tech, Feb 2024 - Sep 2024

- Annotated and labelled data for machine learning projects, ensuring high accuracy and quality
- Compared responses of two AI models to coding-related prompts, providing detailed analysis and fact-checking of the code

- Tested code provided by AI chatbots, identifying and correcting errors to ensure functionality and accuracy

### British Airways: Data Science
Forage - Job Simulation, Aug 2024

- Completed a job simulation focussing on how data science is a critical component of British Airways success
- Scraped and analysed customer review data to uncover findings about the opinions of British Airways customers
- Built a predictive model to understand factors that influence buying behaviour

### Tata: Data Visualisation
Forage - Job Simulation, Aug 2024

- Finished a job simulation involving creating data visualisations for Tata Consultancy Services
- Prepared questions for a meeting with client senior leadership
- Created visuals for data analysis to help executives with effective decision making

### Duty Manager
Poundstretcher, Llantrisant, Nov 2020 - Current

- Took charge of opening and closing routines, performed cash handling routines, and ensured smooth daily operations within the store
- Conducted job interviews for potential new hires, providing feedback and recommendations to senior management for final hiring decisions
- Participated in conference calls with company executives, contributing data-driven analysis and feedback on store performance
- Trained and supervised junior staff members, providing leadership and support in customer service, stock management, and store maintenance
- Developed strong organisational skills by managing inventory and stock replenishment
- Supported customers, resolved complaints, and preserved a high level of customer satisfaction

## PROJECTS

### BSc - Final Year Project
Produced a final year project and dissertation with the title: 'Advancing Sports Coaching Through Real-time Machine Learning and Computer Vision: A Comprehensive Analysis'

### Land Cover Detection using Aerial Imagery
Developed machine learning algorithms to classify aerial images into different land cover categories.

* All projects can be found @ **https://rossusher147.github.io**