

DR. OLLY STYLES

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📍 London, England

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🔗 ollly-styles.github.io

AI PhD and former AI startup founder. I've been training deep learning models since 2015.

EXPERIENCE

Co-founder, Chief Technical Officer

Atlas AI

📅 Jan 2023 – Dec 2023

📍 London, UK

- Managed two junior engineers to build an AI personal training browser app.
- Shut down after failing to find product-market fit.

Founding Computer Vision Engineer

Atlas AI

📅 Sep 2021 – Dec 2022

📍 London, UK

- Built back-end system for real-time analysis of exercise technique from video using human pose estimation.

Research Assistant

Defence and Security Accelerator

📅 Dec 2019 – Jun 2021

📍 Remote

- Built an anomaly detection system for airport security based on CCTV footage.

Visiting Researcher

Nanyang Technological University

Michigan State University

University of Sydney

📅 Feb 2018 – Dec 2019

📍 Singapore / USA / Australia

- Published research on self-supervised learning for human trajectory forecasting
- Worked with Prof. Alex Kot, Dr. Arus Ross, and Dr. Dong Xu.

Lab Tutor

University of Warwick

📅 Oct 2017 – Dec 2020

📍 Coventry, UK

- Taught classes on Machine Learning, Digital Forensics, and Programming for Computer Scientists.
- Designed machine learning coursework on autoencoders and convolutional neural networks

SKILLS

- Technical: Python (PYTORCH, NUMPY, PANDAS, MATPLOTLIB, SKLEARN), Git, LaTeX, Bash, SQL, GCP
- Non-technical: Startup strategy, management, grant writing, public speaking

EDUCATION

PhD in Computer Vision

University of Warwick

📅 Oct 2017 – Aug 2021

📍 Coventry, UK

- Thesis topic: Self-supervision for human trajectory forecasting.
- Supervisor: Dr. Victor Sanchez and Dr. Tanaya Guha

Masters in Computer Science (1st)

University of Warwick

📅 Oct 2013 – Jun 2017

📍 Coventry, UK

- Thesis topic: Emotion classification from speech (1st).
- Supervisors: Dr. Victor Sanchez

SELECT PUBLICATIONS

- **O. Styles**, T. Guha, V. Sanchez, "Multi-Camera Trajectory Forecasting with Trajectory Tensors", In IEEE Transactions on Pattern Analysis and Machine Intelligence (**PAMI**).
- **O. Styles**, T. Guha, V. Sanchez, A.Kot, "Multi-Camera Trajectory Forecasting: Pedestrian Trajectory Prediction in a Network of Cameras", In 2020 IEEE Computer Vision and Pattern Recognition Workshops (**CVPR-W**).
- **O. Styles**, T. Guha, V. Sanchez, "Multiple Object Forecasting: Predicting Future Object Locations in Diverse Environments", In 2020 IEEE Winter Conference on Applications of Computer Vision (**WACV**).
- **O. Styles**, A. Ross, V. Sanchez, "Forecasting Pedestrian Trajectory with Machine-Annotated Training Data", In 2019 IEEE Intelligent Vehicles Symposium (**IV**).

GRANTS & AWARDS

Techstars AI Accelerator

- Awarded £104k by Techstars for Atlas AI.

Innovate UK Fast Start

- Awarded £50k by Innovate UK for Atlas AI.

Best Student Paper

- Best student paper award at CVPR 2020 pre-cognition workshop.

Best Research Presentation

- Best presentation (of 50) at University of Warwick Conference.