Michael Hobley

Email: noonienltd@gmail.com

Education and Qualifications

DPhil (PhD) in Engineering Science — **October 2018 – April 2024**
University of Oxford — Supervisor: Victor Prisacariu
"Counting with Limited Supervision"

MEng – Master in Engineering Science — **October 2014 – July 2018**
University of Oxford — 1st Class degree

Publication

"*Say yes to the dress: shape and style transfer using conditional GANs*" M.A. Hobley, V. A. Prisacariu. Asian Conference on Computer Vision (ACCV), 2018.
"DMS: Differentiable Mean Shift for Dataset Agnostic Task Specific Clustering Using Side Information" M.A. Hobley, V. A. Prisacariu. arXiv, 2019.
"Learning to Count Anything: Reference-less Class-agnostic Counting with Weak Supervision" M.A. Hobley, V. A. Prisacariu. Computer Vision and Pattern Recognition Conference (CVPR) T4V Workshop, 2023.
"*ABC Easy as 123: A Blind Counter for Exemplar-Free Multi-Class Class-agnostic Counting"* M.A. Hobley, V. A. Prisacariu. arXiv, 2023.

Employment

Machine Learning Product Owner – 2023 – Present
Noonien Ltd.
Delivered custom machine learning solutions in various industries.
Worked with clients from initial inquiry through to deployment to engineer machine learning tools to fit their specific needs.

Reviewer – 2022 – Present
Journal of Industrial Informatics Journal, Journal of Image and Vision Computing
Evaluated and critiqued academic submissions in various fields.
Communicated necessary and desirable improvements for publication.

College Lecturer – January 2018 – January 2024
Keble College, University of Oxford
Taught undergraduate students in both large classes as well as 2:1 tutorials on control systems, computer engineering, linear algebra, amongst others.

Keble College Rowing Head Coach – September 2022 – October 2023
Trinity College Rowing Head Women's Coach – September 2020 – September 2022
Managed teams up to 110 athletes and 5 assistant coaches. Designed and executed programs leading to the best result since 1983.

Machine Learning Research Consultant – February 2018 – April 2018
SAi
Researched computer vision and image generation. I presented this research along with its business application to technical staff and non technical members of the executive team.

Software Engineering Intern – June 2018 – September 2018
TPP
Developing patient facing systems that were deployed to 34% of doctors practises in the UK. Supported a live environment holding 50 million electronic health records, used by 250,000 clinical users, at 7,600 NHS organisations.

Key Awards

SAi Scholarship (DPhil)
Keble College Scholar for outstanding academic performance (MEng)

Technical Skills

Python (including extensive work with Pytorch), C#, Java, Javascript
Blender, Unity, p5.js