



Connor McShane

Senior Machine Learning Engineer

Senior Machine Learning Engineer at Fusionride with 3+ years experience in machine learning and computer vision. Experienced with deep learning frameworks and state of the art computer vision models. AWS Cloud Practitioner certified. Start up experience including set up/leading ML Ops.

✉ connormcshane@live.com

📍 Dublin

🌐 [linkedin.com/in/connor-mcshane-82163910b](https://www.linkedin.com/in/connor-mcshane-82163910b)

📞 +447546223041

📄 [connormcshane.github.io/](https://github.com/connormcshane)

🔄 github.com/ConnorMcShane

WORK EXPERIENCE

Senior Machine Learning Engineer Fusionride

05/2022 - Present

Dublin (Remote)

Fusionride is a start up created and owned by Fosun, focused on perception systems for autonomous vehicles.

Achievements/Tasks

- Set up AWS infrastructure and led ML Ops for Europe team.
- Set up Kubernetes job scheduling and multi-machine distributed training.
- Built first generation in house model training and testing framework.
- Implemented and trained first 2D (DDOD) and 3D (FCOS3D) object detection networks.
- Led backbone development and training utilizing multi-task/multi-dataset training for RegNet architecture.
- Supported model deployment on SoC (Nvidia & BST).
- Aided recruitment, interviewing candidates at all levels.

Senior Data Scientist Accenture

09/2021 - 04/2022

Dublin

Achievements/Tasks

- Led analytics on sustainability in AI project, contributing to research paper and patent filings.
- Organised internship program for Analytics and AI interns.
- Led workshop sessions on computer vision and deep learning.

Machine Learning, Autonomy Research Jaguar Land Rover

09/2019 - 09/2021

Warwick

Achievements/Tasks

- Led algorithm development of early stage camera-lidar sensor fusion for 3D object detection.
- Acted as main point of contact for large scale autonomous vehicle dataset labelling supplier.
- Developed vehicle behavior data-set. Led development of auto-labelling computer vision pipeline utilizing drones to label infrastructure footage.
- Vehicle trajectory prediction model based on convolutional LSTM units. Predicting birds eye view occupancy grids.

EDUCATION

MEng Mechanical Engineering (1st Class) Queen's University Belfast

09/2013 - 06/2018

Belfast

SKILLS

Python

PyTorch

TensorFlow

scikit-learn

AWS

Kubernetes

Docker

Weight & Biases

Git

CI/CD

Numpy

Pandas

OpenCV

PERSONAL PROJECTS

Robotics Society (01/2016 - 06/2018)

- Founding member of the Queen's University Robotics Society.
- Organised 3D Printer, Quadcopter builds and guest lectures.
- Held first ever Northern Ireland Robotics League competition.
- Awards: Best new society (2016), Most improved society (2017).

CERTIFICATIONS & ACHIEVEMENTS

AWS Certified Cloud Practitioner (01/2022 - 01/2025)

Earning AWS Certified Cloud Practitioner validates cloud fluency and foundational AWS knowledge.

Python Programming Assessment LinkedIn (12/2020)

In the top 5% of 1.2M people who took this skills assessment.

APM Project Management Certification (02/2020)

APM Project Management Fundamentals Qualification. Recognised by the chartered body for the project profession.

Royal Academy of Engineering Leadership Scholarship Award Winner (2016)

Scholarship awarded to only 35 students across all UK engineering disciplines each year. Facilitates accelerated personal development.

LANGUAGES

English

Native or Bilingual Proficiency

German

Professional Working Proficiency

INTERESTS

Gaelic Football

Running

Triathlon

3D Printing

AI & Technology

Travelling