# Connor McShane

## Senior Data Scientist

Senior Data Scientist at Accenture with 3+ years experience in core data science, computer vision and machine learning technologies. Experienced with deep learning frameworks and state of the art computer vision algorithms. AWS Cloud Practitioner certified.

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## WORK EXPERIENCE

### Senior Data Scientist
Accenture

*09/2021 - Present*                                        *Dublin*

Achievements/Tasks

- Leading analytics on sustainability in AI project. Contributed to research paper and patent filings.
- Organised internship program for Analytics and AI interns.
- Contributed to tech community with teach back 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 deep learning, early feature fusion, camera-lidar 3D object detection.
- Acted as main point of contact for data labelling supplier.
- Developed vehicle behaviour data-set. Worked with suppliers to capture drone footage. Lead development of computer vision pipeline for vehicle object detection.
- Developed a reinforcement learning solution to prioritise unit test cases within a GitLab CI/CD pipeline.
- Setup upload scripts and data pipelines to migrate test data into GCP. Created BigQuery tables and dashboards and presented to end users.

### Robotic Process Automation Engineer
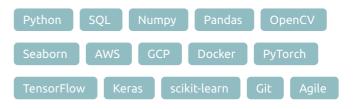WorkPac

*09/2018 - 08/2019*                                *Brisbane, Australia*

Achievements/Tasks

- Created an automated payment system for agency workers on site in the mining sector. This system included OCR(optical character recognition), linking into email and SAP systems using UIPath.
- Created internal company chat-bots to answer simple HR questions using NLP (natural language processing).
- Automated accounts payable reconciliation tasks linking data between systems.

## EDUCATION

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

*09/2013 - 06/2018*                                        *Belfast*

## SKILLS

Python  SQL  Numpy  Pandas  OpenCV
Seaborn  AWS  GCP  Docker  PyTorch
TensorFlow  Keras  scikit-learn  Git  Agile

## 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