

Killian Jochen McShane

Computer Science Student

killian.jmcshane@gmail.com
linkedin.com/in/killianmcshane
github.com/killianmcshane
killianmcshane.github.io
+44 7821745056



Final-year student of computer science at The University of Liverpool, specialising in artificial intelligence and data science. Proficient in Python, R, Java, SQL, and functional Haskell programming languages with experience using software development and data analysis tools such as Apache Ant, Power BI and Tableau. I am highly IT and Mathematically literate, with a strong background in customer-facing roles.

Education

BSc (Hons) Computer Science with Artificial Intelligence

The University of Liverpool

09/2018 - Present

First Class (Expected)

Career

Data Analyst

The Walton Centre NHS Trust

10/2021 - Present

Liverpool

- Developing predictive modelling, clinical and patient flow algorithms for statistical data analysis.
- Providing actionable insight to recommend opportunities and improvements through analytics with SQL & Power BI.

Customer Service Representative

The Royal Bank of Scotland

10/2017 - 03/2018

Belfast

- Teamwork, exceeding KPI expectations and preventing escalations was key in this high-pressure environment.
- Asked pertinent questions to empathetically deliver aid and successfully resolve issues quickly.

Customer Service Representative

Teleperformance UK

10/2016 - 04/2017

Newry

- Handled and managed customer complaints.
- Clarified payment options and credit management.

Data Analysis Spring Internship

FM Environmental

04/2015

Newry

- Analysed and processed friction and fluid calculations.
- Relayed insights from data analysis with Excel to aid engineers in their decision making.

Languages

English

Native or Bilingual Proficiency

German

Professional Working Proficiency

Skills

Python

R

Java

Haskell

SQL

A.I. & Machine Learning

Google Colab

Algorithmic Financial Trading

Agile

Software Development

Unit Testing

Data Analysis

Tableau

Power BI

Achievements

Founder & President of The Data Science and Artificial Intelligence Society at The University of Liverpool

I manage the society. My leadership involves chairing meetings, attracting funding, and managing relationships with stakeholders.

University of Liverpool Leadership Programme (2021)

Attended the university's leadership programme to boost my leadership potential and develop my professional skills.

BT Young Scientist Boot Camp (2015)

Selected for and won the competition. Lead a team of 5 individuals through the development lifecycle of a new product.

Interests

Boxing

Running

Mathematics

Deep Learning

Big Data

Crypto & Blockchain

Projects

Dissertation Project: A.I. for Political Sentiment Classification (Python, Google Colab)

Using Google's BERT natural language processing machine learning model and various social media APIs, I plan to web-scrape a dataset of political comments and classify them by their political leaning.

Automated Build Deployment & Testing (Java)

Build deployment using Apache Ant, Java, XML build file, and JUnit.

Short-term Stock Price Prediction Web-app (Python, JS)

Stock price prediction using an LSTM Neural Network, Twitter's API and natural language processing, sentiment analysis of Tweets.

...and many more on my GitHub portfolio.