KIERAN MOLLOY

A highly competent data scientist involved in the Python and R open-source community. Passionate about unsupervised learning techniques.

Looking for a role at a market-leading firm where machine learning can drive business value via groundbreaking analysis and interpretation of commercial data.



CONTACT

jobs@kieranmolloy.co.uk

4 +44 7821 694558

Manchester, UK

kieranmolloy.co.uk

@K-Molloy

in Kieran Molloy

TECHNOLOGIES

Programming Languages

Python R Scala Rust LaTeX

Machine Learning Techniques

Decision Trees Deep Learning

Reinforcement Learning

Language Processing

Computer Vision

Data Analysis

pandas dplyr tidyverse numpy

scipy SQL MongoDB scikit-learn

tensorflow keras

Development

Linux/Debian Azure/AWS/GCP

Docker git Apache Spark

Statistics

Linear Inference Generalised LM's

Geostatistics | Extreme Value Theory

Languages

English
German

PUBLISHED PACKAGES

whitebeam 1.2 - decision trees rekishikon 0.2 - NLP language detection cdg 0.3 - critical difference generator tevt 0.1 - EVT threshold tests

OTHER ACHIEVEMENTS

Highest Grade BSc Mathematics

EDUCATION

m 09/2020 - current

♀ Lancaster University, Lancaster

MSc Data Science

Distinction (exp) - 83%

Produced several open-source packages, in collaboration with Professors Conducted in-depth extreme value analysis of fire insurance claims Led a team of 5 creating robust statistical analysis for chemical supplier Lubrizol Academic Representative, giving feedback to course leaders and representing cohort

6 09/2017 - 04/2020

MMU, Manchester

BSc Mathematics

1st Class Hons - 78%

Produced bleeding edge work solving Train Scheduling using new machine learning techniques Led a team of 7 in a year long group project analysing Chinese population statistics Modelled train energy-efficiency using PDE and ODE methods Developed excellent communication skills via hosting weekly help sessions

W WORK HISTORY

6 06/2021 - 09/2021

♀ Gousto, London

Data Scientist

MSc Placement statistically modelling factory throughput influences

10/2020 - 01/2021

♀ Lubrizol, Remote

Data Scientist

Led a team of 5 over a 4 month project, delegating tasks and programming frameworks Performed Robust modelling (RANSAC, Theil Sen, Ext.Random Trees) increasing model accuracy by 5% whilst increasing resilience to outliers

Educated team on use of version control and project planning MS Projects

₩ 04/2020 - current

♀ Tesco UK PLC, St Helens

Night Replenishment Team Leader

Rotating and presenting Fresh stock daily, ready for purchase decreasing waste by 6% Accepting, checking and sorting incomes deliveries, increasing range availability by 10%

12/2019 12/2019

Starbucks EMEA, Wigan

Shift Supervisor

Decreased Drive-Thru service times on-shift by 11% Led the team of 20 on two promotional product seasons Trained 4 new members of staff, increasing satisfaction by 4%

SOFT SKILLS

Innovative:

If the feature does not already exist in a package, I have created my own and published it open-source

Communication:

Throughout each of my roles I have demonstrated my ability to connect with people of all ages and backgrounds, especially during my time at Starbucks during my MSc.

Critical Thinking:

My degree and open-source projects required a high level of critical thinking including researching, analysing data and making recommendations.

Tenacity:

Writing several reports and training for triathlon events demonstrates my perseverance for success, whether that be a good race, or great model results for a report

GENERAL SKILLS

Innovative:

If the feature does not already exist in a package, I have created my own and published it open-source

Communication:

If the feature does not already exist in a package, I have created my own and published it open-source

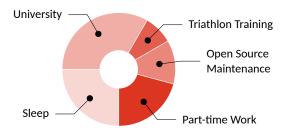
Critical Thinking:

If the feature does not already exist in a package, I have created my own and published it open-source

Leadership:

If the feature does not already exist in a package, I have created my own and published it open-source

A DAY IN THE LIFE



ANOTHER SECTION

This page uses the page style highlightmain which shows the highlight bar (gray) and the main part (white background) but omits the header. The default page style is headerhighlightmain with all three elements. If you don't want header, nor highlight bar, use page style \pagestyle{empty}. Neither

main, nor highlight bar must be filled to make this template work. It is possible to use a page style with the highlight bar but leave it empty by setting an empty highlightbar \highlightbar{}.

Subsection 1

Demonstrate subsections.

Subsection 2

Subsection are also bold face but a smaller font then section. They also omit the rule.

MSC MODULES

Statistics

Generalised Linear Models Linear Inference Extreme Value Theory

Programming

Programming for DS DS Fundamentals Data Mining Applied Data Mining

Spatial Data

Geostatistics Geoinformatics

Dissertation

MSc Project with Gousto

PUBLICATIONS

₩ 2019

Demonstrate what an \pagestyle{empty} page looks like. Also show off the macros for publications that uses small icons for authors, date, journal and links.

Achieving a good looking spacing can be tricky. For empty pagestyles where the full width is available use \pubforcefullwidth to force the publoication list to take up all the available space. The (relative) lengths reserved for date, journal and links can be set with the parameters \pubdatelength, \pubjournallength and \publinklength as in \setlength{\pubdatelength}{0.15 \linewidth}.

The turbulent gas structure in the centers of NGC 253 and the Milky Way

N. Krieger, A. Bolatto, E. Koch, A. Leroy, E. Rosolowsky, F. Walter, A. Weiß, D. Eden, R. Levy, D. Meier, E. Mills, T. Moore, J. Ott, Y. Su, S. Veilleux

The Astrophysical Journal Vol. 899, Issue 2, id.158

N. Krieger, A. Bolatto, A. Leroy, R. Levy, E. Mills, D. Meier, S. Veilleux, F. Walter, A. Weiß

N. Krieger, A. Bolatto, A. Leroy, R. Levy, E. Mills, D. Meier, S. Veilleux, F. Walter, A. Weiß

N. Krieger, A. Bolatto, F. Walter, A. Leroy, L. Zschaechner, D. Meier, J. Ott, A. Weiß, E. Mills, S. Veilleux, M. Gorski

% ADS, arXiv

■ The Astrophysical Journal Vol.881, Issue 1, article id. 43, 20 pp