

SADHBH STAPLETON DOYLE

Machine Learning Engineer

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📍 Dublin, Ireland

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🔗 staplesad

I have over 4 years of experience with Data Analysis specialising in NLP. I am always interested in learning about the intersection of technology and society.

SKILLS

Machine Learning Tools

scikit-learn

TensorFlow

PyTorch

NLTK

spaCy

Programming Languages

Python

SQL

R

Elm

C

Fortran

Other Tools

git

Docker

bash

regex

LaTeX

Jupyter

EDUCATION

MSc. High Performance Computing with Data Science Merit Award (2.1)

University of Edinburgh

📅 Sept 2016 – August 2017

- Dissertation: Implementing RMA Communications in the Met Office NERC Cloud model

B.A. (Mod.) Mathematics 1st Class

Trinity College Dublin

📅 Sept 2012 – May 2016

Trinity Gold Medal – exceptional merit at final degree examinations

VOLUNTEERING

- **2021** Taught a Text Analysis Workshop for **UCD DataSoc**
- **2021** SQL Instructor with **CodeFirst-Girls**
- **2018** App Dev Workshop Instructor with **HubSpot**
- **2015** Student Leadership and Mathematics TA
- **2015** Tutor with the **Voluntary Tuition Programme**

EXPERIENCE

HubSpot

Senior Machine Learning Modeler

📅 Jan 2020 – Ongoing

Software Engineer (ML)

📅 Dec 2018 – Jan 2020

Associate Software Engineer (ML)

📅 Jan 2018 – Dec 2018

Building machine learning models for the HubSpot product and internal tools. Including:

- Search and relevancy
- Text classifiers
- Recommenders
- Topic Extraction
- Summarisation
- Object Embeddings

A standard project includes:

- Specifying data required and/or collecting data
- Data cleaning and analysis
- Model research, training and evaluation
- Writing production ready model code and accompanying docker image
- Writing internal documentation for the model
- Monitoring model performance and updating/retraining the model

In 2020 I was in charge of developing our internal approach to AI fairness. I reviewed the literature on bias, ethics and fairness in machine learning and proposed and implemented our internal processes for fairness and ethical development of machine learning projects.

Helpdesk Technician

Aladdin Schools

📅 Aug – Sept 2015, May – July 2016

Provided customer service for a management information system targeted at Irish primary schools.

- Solving customer issues via phone and email and updating user FAQs and manuals.
- Preliminary research into methods of analysing and displaying student results and attendance.

Teaching Assistant

CTYI

📅 June – July 2015, Sept – Dec 2015

- Assisted classes on App Design and Animation and supervised study for primary and secondary school students

REFERENCES

References provided upon request.