Katie Clark

BSc (Hons) Mathematics with Computer Science

EXPERIENCE

- 2 years experience as Data Scientist, using machine learning, deep learning, and NLP techniques
- 7 years experience focused on working with data – incl. relational databases, SQL, Hadoop, and use of statistics libraries in Python
- 9 years industry experience in programming – predominantly in Java and Python

Brandwatch, Brighton, UK — *Developer / Data Scientist*

January 2014 - April 2018

Working with data retrieval, analysis, and storage for the company's main social listening and analytics application. After two years moved into Data Science role, building prototypes for (mostly) text analysis tasks and bringing successful prototypes into production.

iCrossing, Brighton, UK — *Developer*

September 2011 - January 2014

Building tools that were used by SEO or paid search analysts within the company. Promoted to Data Specialist while there, as my role developed into being responsible for Hadoop jobs, collecting data from external APIs, building OLAP cubes, and anything related to data storage structures.

illustra, Brighton, UK — *Junior Developer*

September 2009 - September 2011

Assisting in building and maintaining a web application used to perform virtual training.

RECENT PROJECTS

Detecting Sentiment of Tweets

Research into potential for sentiment detection, first by use of more classic machine learning approaches, then later lead research project in using Deep Learning techniques.

Topic Detection

Built web app prototype and a variety of methods to extract topics from large a corpus of related documents. Approaches included using chi-squared and mutual information for finding significant terms, as well as use of entity extraction for location, company names, and person names.

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email: hello@klol.tech

· Living in Kerry, Ireland from Sept 2020

· UK and Australian citizen

OPERATING SYSTEMS

MacOS, Linux

PROGRAMMING LANGUAGES

Python, JavaScript (Node.js), Java, Scala

PYTHON LIBRARIES

sklearn, pandas, numpy, spacy, nltk, keras, gensim

JAVA

Spring Framework, Maven, Java 8 functional programming, Guava, Mockito

JAVASCRIPT / NODE.JS

React, GraphQL

DATABASES

Postgres, MySQL

DEPLOYMENT TOOLS

Jenkins, Docker

DATA SCIENCE

Familiar with techniques in: ML, deep learning, NLP, etc.

MISC

Hadoop, Spark, AWS, GCP, SSH, Git,
Agile SCRUM certified