Alexia McGregor

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2016

Graduated from University of Newcastle
Mathematics BSc
First Class

Mathemagician at Magical
Maths After School Club

Various teaching assistant positions with
Prospero Teaching Agency

2017

Coop Food
Store Assistant

2018

Graduated from Edinburgh University
Informatics MSc
Merit
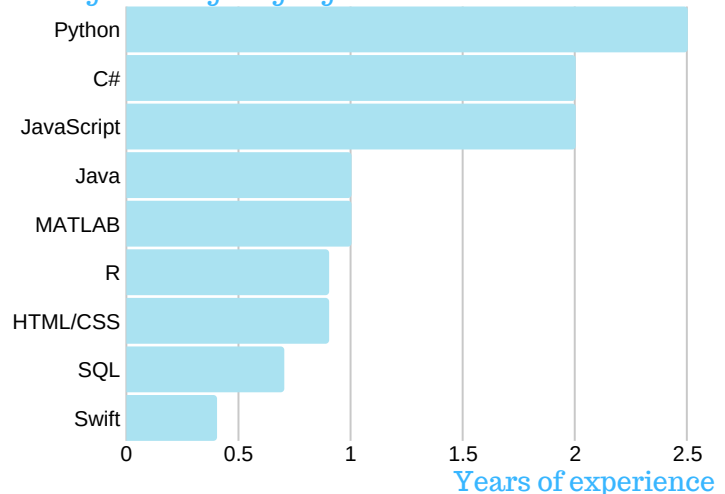*See an overview of relevant modules and grades*

Freelance developer
See client reviews

present

```
for skill in myRelevantSkills:
    print (skill)
```

```
Jupyter Notebooks
Pandas
Numpy
Sklearn
Scikit-learn
Dash/Plotly
Matplotlib
Seaborn
Scrapy
Data wrangling
Machine learning
Classification and regression algorithms
Supervised and unsupervised learning models
Data visualisation
```

Programming language

Language	Years of experience
Python	2.5
C#	2
JavaScript	2
Java	1
MATLAB	1
R	0.9
HTML/CSS	0.9
SQL	0.7
Swift	0.4

Years of experience

Latest data science projects

- Scraped the Dogs Trust website using Scrapy in Python to collect all 948 of the dogs' ages, locations, breeds, photos and personality traits
- Trained a classifier to determine whether a dog would likely be reserved for adoption or not
- Could be used to promote harder to adopt dogs and estimate resources needed in shelters

- Merged databases taken from WHO Global Health Observatory data
- Then trained a random forest regressor to predict suicide rates depending on several features
- Final model had 85% accuracy on test set
- Could be used to determine where to best distribute mental health resources to prevent deaths

View interactive write ups of these as well as various other projects on my website:

amcgregorprogrammer.wixsite.com/website