

Isaac Scarrott

BSC COMPUTER SCIENCE

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Profile

University of Lincoln Computer Science student graduating in June 2019 with an expected first class degree. Self motivated with a passion for data science, software development and continuing professional development.

Education

University of Lincoln

BSC COMPUTER SCIENCE

2016 - 2019

Predicted 1st Class

Franklin College

A LEVEL MATHS

A

A LEVEL COMPUTING

B

A LEVEL BUSINESS

C

Tollbar Academy

11 GCSES (INCLUDING MATHS, ENGLISH AND SCIENCE)

2009 - 2014

A* - C

Skills

Languages : Python, C++, HTML, CSS, Javascript, MATLAB

Database : SQL

Tools/Framework : Flask (Python, basic knowledge)

Familiar : C#, Visual Basic, Haskell

Agile : Understanding of agile software development methodologies, specifically SCRUM

Projects

Sentiment Analysis of Trends Within a Web Application (<https://github.com/isaac-scarrott/Project>)

FINAL YEAR UNIVERSITY PROJECT

Using a dataset of 1.6 million tweets (Sentiment140), three different deep learning models were created and trained. The model that achieved the best accuracy was developed into a web application using Python and Flask. The word embeddings were learned using a Word2Vec model I had trained using the Sentiment140 dataset.

Technology/Tools: Python, Flask, Keras, Gensim, NLTK, NumPy, Pandas

Automatic Scheduling Software (<https://github.com/isaac-scarrott/Automatic-Scheduling-Software>)

FINAL YEAR A LEVEL PROJECT

Created to make scheduling for City Church Grimsby easier. The user inputs include; volunteers names, jobs qualified for, how many times they are available to volunteer a month and dates they are not available. This is then stored in a database. The user can then generate a schedule based on all of the database automatically. The schedule can then be exported to excel to be edited. Statistics about the volunteer and each schedule generated also gets recorded and can be accessed by the user. This project achieved the best grade in my class.

Technology/Tools: Visual Basic

Experience

McDonalds - Kingston Restaurants Ltd

2015 - Present

CREW MEMBER

- This is a part time job worked alongside attending college and university
- Fully experienced crew member
- Regularly interact with customers in order to provide them the best service possible
- Prepare and cook food in a fast paced environment
- Involved in many record; hourly, weekly, monthly and yearly sales for the store during my time at McDonald's

City Church Grimsby

2012 - 2014

SOUND TECHNICIAN

- Voluntary work for a local church
- Committed to volunteering on a Sunday morning from 9am-2pm, 2-3 times a month
- Set up and take down a PA system
- Operate the PA system to ensure sound quality is to a good standard
- Record the Sunday morning service

Certifications

MTA: Database Fundamentals by Microsoft Corporation

Verify : <https://www.youracclaim.com/badges/5f3731ee-b54c-45ce-81f0-6d259639f94b>.

MTA: Introduction to Programming Using Python by Microsoft Corporation

Verify : <https://www.youracclaim.com/badges/e355b0cf-0339-4728-bc70-7d979e63dfef>.

Google Cloud Platform Big Data and Machine Learning Fundamentals by Google Cloud on Coursera

Verify : <https://www.coursera.org/account/accomplishments/verify/GMPKZXLBTF2F>.

Additional Activities/Awards

University of Lincoln

2018 - 2019

MEN'S FUTSAL SOCIETY

Active member of the University of Lincoln Men's Futsal Society, travelling to different universities to compete in the BUCS Midlands 2 futsal league. The Men's Futsal Society was also one of the best performing BUCS teams at the University of Lincoln.

Franklin College

2014 - 2016

MEN'S FOOTBALL TEAM

Active member of the Franklin College Men's Football team travelling to different colleges around the county to compete.

Tollbar Academy

2014

ICT ENDEAVOUR AWARD

This award is given to two students out of three hundred in the year who have put continuous effort into all areas of their work in ICT. They also know their own areas of weakness and what they need to work on. Furthermore, they work tirelessly both at home and at school to address them. Finally, they show determination, perseverance and dedication.