Benedict McGovern - CV

Software Engineer

Currently seeking a rewarding and challenging position in the Software Engineering / Data Engineering field

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WORK EXPERIENCE

Software Developer
Ekco Ireland

09/2019 - 05/2021

Ekco are a cloud backup service provider. They specialise in providing a highly supported backup service. I worked on a web portal to manage backups

Achievements/Tasks

- As a full stack software developer on a three-person team. I was highly engaged in all areas of development for the company's software offering. I developed in a python backend, react front end. I was also heavily involved in the dev ops for this web application

- I acted as software lead and was in constant communication with various teams in the business. I provided a clear vision in terms of software design and promoted a culture of strong communication within the team

- I created a CI/CD pipeline using GitLab, Docker and automated testing. This helped the company increase code release frequency hugely, code reliability and overall efficiency within the development team

Software Developer Intern
SAP Dublin

01/2018 - 08/2018   *Dublin, Ireland*

At SAP I was part of the Advanced Analytics team which specialised in engineering software to utilise machine learning to offer business solutions.

Achievements/Tasks

- Python was the main language I used on my internship and I gained strong skills in efficient python engineering in key areas such as inheritance, classes and unit testing

- I was placed in a team of over fifteen developers where I was integrated to work on an ongoing project within SAP. I consistently had to co-develop features with other developer and contribute in team meetings. This increased my understanding of what a key team player is

- While at SAP I assisted and developed on a data science project that aimed to make data science analysis easier to business users. I worked with the Apache Spark framework and python's pandas and numpy

Contact: Ronan O'Connell - ronan.o-connell@sap.com

EDUCATION

Computer Science and Software Engineering
Maynooth University

09/2015 - 05/2019   *First Class Honours 73.2%*

Description

- I completed a four year undergraduate degree in May 2019 with a first class honours grade

- I took classes in mathematics and philosophy in my first two years of my degree

- I undertook a final year project which investigated modern machine learning. I achieved a score of 78%

- I achieved an annual grade of 79.6% in my third year. Also achieved grades well over 80% mark throughout my degree

SKILLS

Python · Linux · Pandas · Numpy · Flask · CI/CD · Type/JavaScript · React · Docker · Network Infrastructure · SQL · MatplotLib

PERSONAL PROJECTS

Evaluating Generative Adversarial Networks for Timeseries Prediction (2019)

- I completed a thesis for my final year project of my undergraduate degree. The aim was to investigate if generative adversarial networks could be a viable prediction mechanism for the time series problem, predicting bitcoin price.

- I built a model based on market indicators which was able to offer a prediction for price in one hours into the future.

- The project was completed using python with the use of the packages keras, pandas, numpy and matplotlib.

Generation Song Lyrics through a Recurrent Neural Network (2018)

- I undertook a music programming project as part of my undergradute degree. I built a web application using a python backend that utilised a model that I trained to predict and generate music lyrics.

- The model was trained on a bank lyric data that aimed to capture the rhyming scheme and structure of various music artists.

- The front end application was built using the Angular 5 framework and the finished project can be seen at the link.

TEACHING EXPERIENCE

Python Training
SAP

2018

Tasks/Achievements

- I was tasked to give an introduction to python 101 course to my colleges on my team at SAP. I prepared slides and material for the course. Then presented it to twenty plus colleagues over two days.

CoderDojo
Maynooth University

2017 - 2018

Tasks/Achievements

- I volunteered at CoderDojo in my time at Maynooth University. I helped young students gain an introduction to programming through the simple language, Scratch.

INTERESTS

Data Engineering · Running · Fitness · Music Production · Gaming · Travelling