Ross Perry

Engineering graduate with 1 years experience in a developer/data scientist role.

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EDUCATION

Machine Learning and Deep Learning (MSc) (Under "The Data Lab" Scholarship)
University of Strathclyde

09/2020 - 09/2021   *Distinction*

Courses
- **Core Modules -** Digital Signal Processing Principles, Image and Video Processing, Intelligent Sensing, Reasoning and Deep Learning, Machine Learning for Data Analytics, Big Data Technologies, Assignment and Professional Studies
- **Dissertation** - Improving clinical diagnosis through deep learning analysis of voice recordings

Biomedical Engineering (BEng)
University of Glasgow

09/2015 - 05/2020   *with Honours of 2.1*

Courses (final year only)
- **Core Modules -** Biosensors and Diagnostics, Microelectronics in Consumer Products, Rehabilitation Engineering, Bioethics for Biomedical Engineering, Signal Processing of Biosignatures, Ultrasound Technology and Applications, Control Systems Analysis and Design, Entrepreneurship in Biomedical Engineering
- **Individual Project** - Lane Swimming Assistive Device for Blind People

WORK EXPERIENCE

Data Scientist
Argo Digital

12/2021 - Present   *Glasgow*

Argo Digital provides the technology behind a company called Staffscanner - an app/website that aims to provide short term cover to care homes.

Achievements/Tasks
- My role's primary purpose was to find usefulness in the vast amount of data collected by users on the app/website.
- I created weekly KPI reports, visualisations and ad-hoc data requests all to help upper management make important business decisions.
- I developed a 5000+ line python library that automates the interaction between Staffscanner's app and neutral vendors.
- I gained immense confidence in my t-SQL abilities, so much so that I have begun hosting tutorials within the company, teaching how to approach data science problems.
- In a company of 3 employees, I am required to be a jack-of-all-trades with expertise in various areas.

Contact : Gary Anderson - Phone: 077849931364

Customer Service Roles
Argos, Tesco, Tim Hortons

06/2016 - 03/2020   *Wick & Glasgow*

Retail & Hospitality Jobs

Responsibilities
- From late high school to mid-university, I worked in numerous roles in customer service. These roles included stacking shelves, cleaning the shop floor, preparing food to order and most importantly, serving customers. Here I learnt the importance of going the extra mile when representing a brand and what it takes to stand out in customer satisfaction.

TECHNICAL SKILLS

Machine Learning and Deep Learning	TensorFlow, Keras, Scikit-learn, PyTorch, MATLAB - building ANNs, CNNs, RNNs and statistical machine learning models.	**Cloud Technologies**	Azure functions, Azure personalizer, SQL database, key vaults and managed identities
Database Management	SQL, Pandas	**Data Visualisation Tools**	Python - (Seaborn, Plotly), Excel, Word, Powerpoint
Programming Languages	T-SQL, Python, C++, MATLAB		

SOFT SKILLS

Passion for Learning — Enthusiastic participation — Engaging Customer Service — Drive to Solve Challenging Problems

Negotiating Client Requirements — Github — Team Management — Creative Thinking

Working in High Pressure Environments — Effective Teaching — Version control — Positive 'can-do' Attitude

Negotiating Specifications — AGILE — Independent Working — Versatile — Self-Motivated

Excellent Interpersonal Skills — Azure Repos — Commercially Astute — Logical Thinker — Great Attention To Detail

VOLUNTEER EXPERIENCE

First Aider
St Andrews First Aid

09/2016 - Present   *Greater Glasgow Area*

A First Responder to Events across Glasgow and on the occasion, Edinburgh.

Tasks/Achievements

- My time at St Andrew's First Aid is where I became familiar with highly stressful environments. I learned that stressful situations sometimes require all necessary parties to transform into leaders showing confidence and clear communication. Such notable events include - Glasgow & Edinburgh Kilt-walk, TRNSMIT, Celtic FC, Rangers FC, Partick Thistle FC games and T In The Park.

Swimming Coach
Wick Amateur Swimming Club

2013 - 2016

Developing young swimmers into becoming young competitive athletes

Tasks/Achievements

- Preparing an active and engaging class for children aged 13-15 that encourages them to focus on personal development.

Volunteer
Stand International

2014   *Belarus*

Stand International is a charity that aims to connect disadvantaged young people in Scotland with disadvantaged people abroad.

Tasks/Achievements

- Preparing a whole week of activities for a large group of young children, then, straight after, preparing a whole week of activities for disabled adults.

PERSONAL PROJECTS

A Semantic Lamp
- Using Python I created a Semantic Lamp Simulator that incrementally falls more red or more green depending on the sentences the program hears. Code openly available on my Github.

Technical Blog
- In my spare time I like to write informative articles that helps beginners to get as enthusiastic a subject as I do.
- Topics I have written about: **How to query a Dota 2 (popular video game) API for your own data analysis, The change of Air Pollution In Aberdeen**