JACK HARDING

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EXPERIENCE

Database Engineer

NeoDyne

09/19 – 10/20

- Worked independently developing and maintaining SQL Server databases.
- Designed and developed custom SSIS packages to parse and generate SAP IDOCs for industrial ERP system.
- Developed new company website working closely with company directors.
- Facilitated factory traceability using ASP.NET report application.

Unity C# Developer

Klinc

08/17 – 10/17

- Worked as part of a four-person team to develop a mobile game on both Android and iOS platforms.

PROJECTS

Movie Recommender

01/21 - Present

- Dashboard recommends movies to users using collaborative filtering and deep learning with FastAI and hosted on Streamlit.

COVID-19 Mask Detector

11/20 – 12/20

- Collected image data using Bing Image Search API. Trained deep learning model with FastAI to produce a mask detector web app hosted on Streamlit.

Titanic Disaster Model

09/20 - 10/20

- Analysed data from the Titanic disaster using Pandas and NumPy.

- As part of a Kaggle competition, used sci-kit learn ML library to predict the outcome of a passenger based on their attributes.

Energy Management System

02/19 - 06/19

- Monitored home energy usage using smart home devices, analysed data with Pandas on RPi3 to maximise renewable usage.

SKILLS

Programming	Tools
Python	SSMS/SSIS
SQL	Visual Studio
Pandas	Git
PyTorch	Kaggle

Interpersonal

- Dealing directly with clients to discuss project deliverables and test data interfaces.
- Worked in a team to develop a mobile app in the Unity game engine; good leadership skills.

Communication

- Producing effective and clear test documentation and reports in a professional environment.

EDUCATION

Computer & Communications Engineering, TU Dublin

09/15 – 10/19

Relevant Modules: Calculus, IoT, Network Centric Computing

Deep Learning for Coders, FastAI

11/20 - Present

Machine Learning, Coursera

09/20 – 11/20

German Language Course, Busuu

11/20 – Present

LANGUAGES

German	A1
Spanish	A2
Irish	B2

REFEREES

John Dalton	Liam Horan
Thesis Supervisor	Project Manager
TU Dublin	NeoDyne
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