JACK HARDING

E: jackharding321@gmail.com jacklinc.github.io
M: +353892336464 jack-harding97

EDUCATION

Computer & Communications Engineering
09/2015 – 10/2019
Technological University of Dublin (TUD)
Relevant Modules: Calculus III, Computer Architecture, Internet of Things, Network Centric Computing

Machine Learning
10/2020 – 11/2020
Stanford University (Coursera)

Deep Learning for Coders
11/2020 – Present
FastAI

EXPERIENCE

Database Engineer

NeoDyne
09/2019 – 10/2020

- 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
08/2017 – 10/2017

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

SKILLS

Programming	Tools
Python	SSMS/IS/RS
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.
- Experience with delivering effective presentations and a confident public speaker.

PROJECTS

COVID-19 Mask Detector
11/2020 – 12/2020

- 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 Survival Model
09/2020 – 10/2020

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

Spotify Usage Dashboard
07/2020 – 08/2020

- Gathered Spotify usage data from the Spotify REST API to find favourite artists using Python and Pandas.
- Joined top artists with MusicBrainz dataset to visualise trends on Streamlit dashboard.

Energy Management System
02/2019 - 06/2019

- Monitored the daily energy usage in a home using smart home devices as part of final-year project. Analysed data with Python, Pandas, and Grafana on a Raspberry Pi to find trends in energy demands.
- Allocated load times by using trends with an OpenHAB server to maximise renewable usage through peak-shaving.

LANGUAGES

German	A1
Spanish	A2

REFEREES

John Dalton	**Liam Horan**
Thesis Supervisor	Project Manager
TU Dublin	NeoDyne
Dublin 2	Little Island, Cork
john.dalton@tudublin.ie	lhoran@neodyne.ie