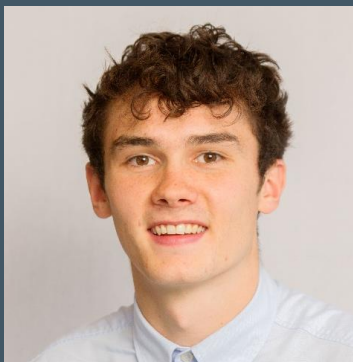


JACK HARDING



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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

Python
SQL
Pandas
PyTorch

Tools

SSMS/IS/RS
Visual Studio
Git
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

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