

JACK HARDING



jackharding321@gmail.com



jacklinc.github.io



+353892336464



jack-harding97

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# and developed in Unity.
- Tasked with the setup of the user database for the app and collaborating with an overseas contractor to complete the project.

PROJECTS

Titanic Disaster ML Model

09/2020 - Present

- 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

02/2019 - 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.

IoT Baby Monitor

01/2018 - 03/2018

- Coded a BBC Microbit in C++ to send accelerometer data to a Raspberry Pi via Bluetooth Low Energy.
- Used NodeJS to publish to an MQTT topic while being written to an Influx database.

SKILLS

Programming

Python

SQL

Pandas

Sci-Kit Learn

Tools

SSMS/SSIS

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.

EDUCATION

BEng (Hons) Computer &

Communications Engineering Graduate,
Technological University of Dublin (TUD)

Relevant Modules: Calculus III,
Computer Architecture, Internet of
Things, Network Centric Computing,
Operating Systems, Wireless
Communications

REFEREES

John Dalton

Final Year Project Supervisor

Technological University of Dublin

Dublin 2

john.dalton@tudublin.ie