**JACK HARDING**

Email Symbol Icon, Email, Envelope PNG and Vector with Transparent ...[jackharding321@gmail.com](mailto:jackharding321@gmail.com) [jacklinc.github.io](https://jacklinc.github.io/)

+353892336464  [jack-harding97](https://www.linkedin.com/in/jack-harding97/)

## EXPERIENCE

Database Engineer

### [NeoDyne](http://www.neodyne.ie/)

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](http://www.bottomsupstudios.com/)

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](https://www.kaggle.com/jackharding/eda-logistic-regression)

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](https://github.com/jacKlinc/RPi_HEMS)

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](https://github.com/jacKlinc/IOTFYear)

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 Tools

Python SSMS/SSIS

SQL Visual Studio

Pandas Git

Sci-Kit Learn 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**, TU Dublin

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

## REFEREES

**John Dalton**

Thesis Supervisor

TU Dublin

Dublin 2

[john.dalton@tudublin.ie](mailto:john.dalton@tudublin.ie)