

# JACK HARDING

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## EXPERIENCE

### Data Scientist Jr.

#### Inne

03/2021 – 03/2023

- Identified potential for analytics dashboard and proposed solution. Designed and developed a real-time data dashboard allowing visualisation of hormonal cycle data and in-app notes
- Developed a reporting system to notify study analysts of discrepancies in participant usage
- Kick-started company data strategy by defining goals and organising stakeholders.
- Implemented database export to OLAP for real-time analytics on customer behaviour.
- Configured data governance to ensure data accuracy

### 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 systems.
- Developed a new company website working closely with company directors.
- Facilitated factory traceability using ASP.NET report application.

## PROJECTS

### BellingChat LLM Chatbot

02/24 - Present

- Web-scraped Bellingcat website into entire article dataset
- Fine-tuned Llama2 LLM using RAG and vector databases. Presented chatbot in online Streamlit dashboard

### Bellingcat Instagram Location Dashboard

01/24 - 02/24

- OSINT Dashboard built for Bellingcat that queries Instagram API. Plots GPS data to an interactive map

### COVID-19 Mask Detector

11/20 – 12/20

- Trained deep learning model with FastAI to produce a mask detector web app hosted on Streamlit.

### Energy Management System

02/19 - 06/19

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

## SKILLS

### Programming

TypeScript  
NoSQL  
Python  
SQL

### Tools

Serverless  
AWS  
GitLab/Hub  
Jira

### Communication

- Producing clear test documentation and reports in a professional environment.
- Preparing software requirements documentation
- Delivering presentations that are informative and emotionally engaging.

## EDUCATION

### Advanced Statistics for Data Science, Coursera

12/22 – 02/23

### Introduction to Statistics, Coursera-Stanford

10/22 – 12/22

*Relevant Modules:* Data sampling, Distributions, CLT, Regression

### Computer Engineering, TU Dublin

09/15 – 10/19

*Relevant Modules:* Calculus, Computer Architecture, IoT, Network Centric Computing

### Deep Learning for Coders, FastAI

11/20 - 03/21

### Machine Learning, Coursera

09/20 – 11/20

## REFEREES

### John Dalton

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