

Hugh Harford

CV for Data Analyst

PERSONAL STATEMENT AND SKILLS

Hugh has just completed Le Wagon Python Data Science Bootcamp, and is looking to gain experience as a Data Analyst.

He has strong interpersonal skills honed over 15 years consulting to infrastructure clients.

Hugh wants to make use of his new skills for positive impact, environmental impact preferred.

Technical Skills

- OOP in Python & Java
- SQL, Numpy, Pandas
- Matplotlib, Seaborn, Plotly, streamlit
- Scikit-learn, Tensorflow & Keras
- Linux, Docker, GCP
- Test: unittest, pytest, pytest-bdd
- github, Bitbucket
- Familiar with: Agile, VBA, R, AWS

EXPERIENCE

- 07/14 - now **Founder, Posco Consulting Ltd**
- Fintech AI project using Genetic Programming, 5 years part time developing in Java
- 07/21 - 04/22 **Python developer, Yeti Tool**
- Introduced unit testing (pyunit), developed 3x geometry features to achieve pre-cut checks
- 04/21 - 06/21 **Associate Consultant, Egremont Group**
- Planned and launched 2x Water Client Planning and Scheduling Pilots: Clean Water & MEICA
- 03/20 - 09/20 **Operations Manager, Tech Trek**
- Managed 4 functions to ensure UK launch (customer service, sales, operations, technology)
- 2019 *Took 2019 to be with our first born*
- 01/18 - 11/18 **Principal Consultant, Amey Strategic Consulting**
- Keolis Amey Wales: Programme Manager for Data & Technology, £5M budget, 20 consultants
- 02/15 - 12/17 **Senior Consultant, Cag Gemini Consulting**
- Southern & Scottish Electric: prevented 2x Control Room vetoes in Maximo Implementation
 - National Grid: practice lead in 2 projects, Monetised Risk £500k, Data & Technology £10m
 - EON: Lead design of Change Management Centre of Excellence, with impacts on 1100 staff
- 05/11 - 06/14 **Principal Consultant, CAS**
- Led 5 projects: Euroports, Tube Lines, Bord Gais, Irish Road Safety Authority, Highways Agency
- 2008-11 **Production Freelancer, UK Film and Media industry**

PROJECTS

- Current **Solar My Roof** Using Deep Learning to detect roofs where solar panels could be applied
- Project Lead: Coded, trained & deployed U-Net Neural Network on: Vertex AI, Docker & Streamlit
- Current **CondorGP** Evolving diverse ecosystems of animals that trade on stock exchanges to survive
- Project Lead: Pivoting from Java to Python installation, considering tensor & GPU implementation

EDUCATION

- 2022 **Le Wagon Python Data Science Bootcamp** – 9 weeks intensive full time
1. Data Analytics with SQL, Pandas, Numpy, and Matplotlib
 2. Statistics with Scipy, Seaborn and Statsmodels
 3. Machine Learning with Scikit-learn
 4. Deep Learning with TensorFlow Keras
 5. Data Engineering with Docker, Google Cloud Platform, ML Flow and Streamlit.
- 2004 **Brunel University MEng 1st Class Special Engineering Programme**

INTERESTS

Film, cooking and music. Tennis, occasional cricket. CNC routing and design.