

# Hugh Harford

## CV for Data Analyst & Data Scientist

### PERSONAL STATEMENT AND SKILLS

Hugh wants to make use of his new skills for positive impact. Contributing to climate change efforts is a paramount priority.

He has strong interpersonal skills honed over 15 years consulting to infrastructure clients. See if he remembers everyone's name.

Hugh is changing career from consulting and completed Le Wagon Python Data Science Bootcamp in 2022. After a start with his first Data Engineer role (2022-2023), he is looking to gain further experience in Python data analytics.

Hugh learns fast & is hungry for precise code & strong results.

### Technical Skills

- Linux, github
- OOP in Python, with Poetry
- SQL, Numpy, Pandas
- Matplotlib, Seaborn, Plotly, streamlit
- Scikit-learn, Tensorflow (Keras)
- Docker, Compose, Kompose
- PostgreSQL, Alembic, pydantic
- DBT & Airflow. PySpark
- GCP, & some AWS
- Testing including BDD (c.f. TDD)

### EMPLOYED

### CONTRACTED OR UK LTD

07/14 - now	<b>Founder, <a href="#">Posco Consulting Ltd</a>:</b> contracting in consulting, data analysis & coding <ul style="list-style-type: none"> <li>• Coding: <a href="#">CondorGP</a> Fintech AI project using Genetic Programming</li> <li>• Consulting: Led 3 data analysis projects, with ROI of &gt;250% in forklifts &amp; reach-stackers</li> </ul>
10/22 - 12/23	<b>Data Engineer, Houses of Parliament <a href="#">R&amp;R Programme</a></b> <ul style="list-style-type: none"> <li>• Ran &amp; prioritised 25 use cases key business stakeholders. Designed development pipeline.</li> <li>• Technical lead for Collibra Data Governance tooling, including Groovy workflow development</li> </ul>
07/21 - 04/22	<b>Python developer (part time), <a href="#">Yeti Tool</a> (UK start up)</b> <ul style="list-style-type: none"> <li>• Developed 3 geometry features and introduced pytest with 74 tests</li> </ul>
03/21 - 04/22	<b>Associate Consultant, <a href="#">Egremont Group</a> (Asset Management consulting)</b> <ul style="list-style-type: none"> <li>• Launched 2 Planning and Scheduling Pilots: Clean Water &amp; Mechanicals for Water Client</li> </ul>
10/20 - 03/21	<i>Family Career Break</i>
03/20 - 09/20	<b>UK Operations Manager for initial Ramp Phase, <a href="#">Tech Trek</a> (Beijing startup)</b> <ul style="list-style-type: none"> <li>• Managed 4 functions to ensure UK launch (customer service, sales, operations, technology)</li> </ul>
2019	<i>Family Career Break</i>
01/18 - 11/18	<b>Principal Consultant, <a href="#">Amey Strategic Consulting</a></b> <ul style="list-style-type: none"> <li>• Keolis Amey Wales: Programme Manager for Data &amp; Technology, £5M budget, 20 consultants</li> </ul>
15-17	<b>Senior Consultant, <a href="#">Capgemini Consulting</a></b> <ul style="list-style-type: none"> <li>• SSE Networks: prevented 2x Control Room vetoes in Maximo upgrade Implementation</li> <li>• National Grid: practice lead in 2 projects, Monetised Risk £500k, Data &amp; Technology £10m</li> <li>• EON: Lead design of Change Management Centre of Excellence, with impacts on 1100 staff</li> </ul>
11-14	<b>Principal Consultant, <a href="#">CAS</a></b> <ul style="list-style-type: none"> <li>• Led 5 projects: Tube Lines, Highways Agency, Euroports, Bord Gais, Irish Road Safety Authority</li> </ul>

### PROJECTS & HACKATHONS

Priority	<a href="#">CondorGP</a> Evolving stock trader in Python using DEAP, and Nautilus Trader. BDD lead.
Ongoing	<a href="#">ATP</a> Tennis predictor to demo data science skills. Can 4.3m ATP tennis data rows predict winners?
Le Wagon	<a href="#">Solar My Roof</a> Using Deep Learning to detect roofs where solar panels could be applied <ul style="list-style-type: none"> <li>• Project Lead: Coded, trained &amp; deployed U-Net Neural Network on: Vertex AI, Docker &amp; Streamlit</li> </ul>
Hack19	<a href="#">Project Data Academy</a> Ran a Rust blockchain as part of PoC for smart contract app

### EDUCATION

09/24 - now	<b>Le Wagon <a href="#">Data Engineering Bootcamp</a> – 6 months, part time</b> <ol style="list-style-type: none"> <li>1. Focus on CI/CD with Poetry, Docker &amp; GCP. K8S: minikube, k3s</li> <li>2. Databases with SQL, Postgres &amp; BigQuery, Alembic &amp; pydantic</li> <li>3. Data lakes &amp; pipeline testing with DBT &amp; Airflow</li> <li>4. Data at scale with PySpark, Beam &amp; Kafka</li> </ol>
2022	<b>Le Wagon <a href="#">Python Data Science Bootcamp</a> – 9 weeks intensive full time</b> <ol style="list-style-type: none"> <li>1. Analytics with SQL, Pandas, Numpy, Matplotlib</li> <li>2. Statistics with Scipy, Seaborn, Scikit-learn for Machine Learning</li> <li>3. Deep Learning with TensorFlow's Keras</li> <li>4. Data Engineering with Docker, GCP, ML Flow</li> </ol>
2004	<b>Brunel University MEng 1st Class Special Engineering Programme</b>

### INTERESTS

Film, cooking and music. Lots of tennis. Learning Spanish. Design & precision carpentry