Harrison Pim

I'm a data scientist / machine learning engineer with a background in computational / quantum physics. I write loads of python and typescript, and a little bit of everything else.

I like working on hard R&D problems involving computer vision, natural language processing, graph theory, representation learning, recommendation systems, and information retrieval.

I love turning those research projects into end-to-end pipelines and services which help people in the real world.

Experience

Climate Policy Radar · 6 months

Senior Data Scientist · Sept 2023 - Present
Building a search engine, knowledge graph, and ML models for climate policy documents

Wellcome · 5 years, 6 months

Senior Data Scientist · Jan 2022 - Sept 2023
Building the next generation of search and discovery on wellcomecollection.org, including experiments with knowledge graphs, multi-modal search, and semantic search

Data Scientist · Mar 2018 - Jan 2022
Prototyping and productionising computer vision pipelines, novel NLP models, and core search algorithms to help researchers find things on wellcomecollection.org.

The British Museum · 1 year, 6 months

Data Analyst · Sept 2016 - Mar 2018
Produced ML-heavy analyses of huge datasets, distilling visitors' motivations, expectations, and needs when visiting the museum online and IRL.

Great Little Place · 3 months

Data Science Intern · Jun 2015 - Sept 2015
Built a matching/recommendation system for an app with hundreds of thousands of users around the world.

Education

University College London (UCL)

MSci Physics, 2:1 · Sept 2012 - Jun 2016
Thesis: Correlations between water fragments on silicon

Skills + Tools

Machine learning
pytorch, scikit-learn, tensorflow, wandb

Data science
jupyter, pandas, numpy, scipy, matplotlib, spacy, neo4j, networkx, elasticsearch, pyspark, SQL

Web development
typescript, javascript, node.js, react, next.js, tailwind, graphql, jest, playwright, fastapi, flask

Deployment
AWS, terraform, docker, git, github actions, vercel, netlify, heroku, supabase

Other Stuff

Teaching and mentoring
I try to share what I've learned through blog posts, reusable code, and/or talks at conferences and universities. I've also mentored and advised first-time conference speakers, artists, researchers in industry and academia, grant funding applicants, and students all the way from GCSE to PhD.

Open source software development
I've built a lot of open source tools, sites, and services outside of work to sharpen my own development skills and experiment with new technologies.

Cycling and outdoor swimming
I like swimming outdoors, especially through the winter. I've been cycling in London for ten years and I've only been hit by four cabs.