

# 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](https://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](https://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.