

HENRY BAKER

PROFESSIONAL
EXPERIENCE EAST-ASIA,
EUROPE & AFRICA.
HISTORIAN.
DATA SCIENTIST,
POLICY RESEARCHER,

INTERESTS

Sustainable computing & Green AI
Applied ML: DL, NLP, CompVis, causal ML
Computational social science: Bayesian hierarchical modelling; forecasting; causal inference.
Decision theory: algorithmic game theory, mechanism designs

TECHNICAL

Languages: Python, R, Stan, SQL, Bash
DL: PyTorch, TensorFlow, JAX, vLLM, TensorRT, HuggingFace libs
Data Analysis: Scikit-Learn, Pandas, NumPy, Matplotlib
MLOps & deployment: Docker, MLflow, Flask, Streamlit, Heroku
Markup: HTML, XML, CSS, LaTeX
Project Management: JIRA, Confluence

LANGUAGES

English	Native
Japanese	日本語能力試験二級 (Business proficient)
French	Conversant

RESEARCH AFFILIATIONS

Open Data Institute (The ODI): *Data-centric AI project (London)*; Research Fellow
Weizenbaum Institute: *Digitalization, Sustainability, and Participation (Berlin)*; Associate Researcher

CONTACT

+49 15566 470660; +44 7715 427104

EDUCATION

HERTIE SCHOOL OF GOVERNANCE (2022-2025)

Dual Degree, Public Policy & Data Science

MPP: GPA 4.0 (1.2 - 'sehr gut');

MSc: GPA 4.0 (1.1 - 'sehr gut');

Data for Good Scholar; full funding.

MPP Thesis: *governance of data institutions*, Prof. J. Bryson.

MSc Thesis: *benchmarking LLM energy efficiency*, Prof. L. Kaack.

Data Science Thesis Award 2025.

ERASMUS MUNDUS GLOBAL STUDIES (2021-2022)

1st year diploma: GPA 4.0 (1.0- 'sehr gut')

Funding: European Commission.

UNIVERSITY OF OXFORD (2011-2014)

BA, Modern History - First Class

2014 L H Martin Prize for Academic Excellence

2013 College Award (academic)

2012 Distinction in 'Prelim Exams' & 'Finals'

Scholar: Grimshaw Exhibition

PROFESSIONAL

HERTIE DATA SCIENCE LAB

Berlin (05.2023 - present)

Research Engineer: developing lab infra & supporting computational research

Research Associate: DiD analysis (M. Kayser); ML-Strom project (L. Hirth & L. Kaack)

Lead Teaching Assistant: Mathematics for Data Science; Data Structures & Algorithms; Deep Learning

GLOBAL PUBLIC POLICY INST. (GPPI)

Berlin (08.2023 - 07.2024)

Policy Researcher, Foresight & Future-oriented Analysis

RAKUTEN MOBILE (楽天モバイル)

Tokyo (04.2020 - 09.2021)

Product Manager, LEAP (Learning Platform)

ASHINAGA FOUNDATION

一般財団法人あしなが育英会

Tokyo (04.2016 - 03.2020)

Department Manager, Monitoring & Evaluation

Programme Manager, Partnerships & Outreach