

# Jakub Terlikowski

[jakub@terlikowski.pl](mailto:jakub@terlikowski.pl) | [Github](#) | [Personal website](#)

## Education

---

### London School of Economics and Political Science

2023 – 2024 (Expected)

- MSc Applied Social Data Science
- Relevant modules include: Artificial Intelligence, Reinforcement Learning, Applied Machine Learning for Social Science, Computer Programming, Data for Data Scientists

### University College London

2020 – 2023

- BSc Philosophy, Politics and Economics with Social Data Science; The Dean's List 2023; First-Class Honours
- Relevant modules include: Introduction to Quantitative Research Methods, Mathematics for Economists, Microeconomics, Data Analysis, Computational Methods for Economists, Mining Social and Geographical Data Sets, Causal Analysis, Measurement in Data Science, Industrial Economics
- Dissertation: "Anticipating the war and filling the gaps: the impact of the Ukrainian refugee crisis on unemployment in Poland" (available [here](#))

## Professional Experience

---

### Data Science Intern, Simba Technologies

Remote | 2024 - present

- Create data science solutions for a seed-stage start-up (based in California) providing data collection tools for NGOs
- Automate the report delivery from raw data using cloud computing (AWS) and LLMs
- Develop the front-end of the application (dashboard design and data visualisation) in Python
- Build data pipelines and improve the quality of data storage and data management systems (SQL, Python)

### Data Science Intern, Frontier Economics

London, UK | 2022

- Developed an app for analysing the impact of a potential merger on the market based on user-specified data and input; included analysis of potential divestment scenarios, country-market segmentation and changes of the HHI
- Automated the creation of a monthly PowerPoint summary of internal sentiment surveys using RMarkdown
- Consolidated and cleaned heterogenous transaction datasets (spanning 15+ years, 10+ countries) using R and SQL
- Matched records from two separate datasets to improve the quality of data (used exact, fuzzy and partial matching)
- Attended training and talks related to data science and economics (eg. double machine learning for causal inference)

### Research Assistant, University College London

London, UK | 2022

- Selected as one of 3 research assistants in a competitive process (30+ candidates); youngest team member
- Executed a multidisciplinary workshop on DLT in a team of 5; created an introductory video and invited speakers
- Managed an interactive game aimed at explaining algorithms underpinning DLT to students from different backgrounds (50+ participants)

### Economic Consultant, Horizons

Warsaw, Poland | 2021

- Prepared a short report describing the impact of investing 130 billion PLN in offshore wind farms on the Polish economy, which the client utilized to participate in a public tender
- Estimated GDP growth and jobs creation using Leontief's input-output model and relevant data; analysed different scenarios depending on the share of supply chain located in Poland
- Described the impact on the innovativeness and export potential of the Polish economy based on scientific literature

## Publications and Achievements

---

- Terlikowski, J. (2022). Optimal Vaccine Allocation: Modelling Population Interaction and Administrative Constraints. UCL Journal of Economics, vol. 1 no. 1, pp. 4-8. DOI: 10.14324/111.444.2755-0877.1400 (available [here](#))
- Several articles written for the Jagiellonian Club available [here](#) (in Polish) and [here](#) (in Ukrainian and Russian)
- The Dean's List (2023)
- Explore Econ Best Research Paper prize (2022)
- Laureate of the "100% in Matura" Contest (one of the 24 out of 250,000+ best results in Polish Matura) (2020)

## Skills and Interests

---

- **Technical skills:** Python, R, SQL, HTML/CSS, Github/Git, Docker, AWS, Wolfram Mathematica
- **Languages:** Polish (Native), English (Proficient), French (Beginner)
- **Interests:** Running, Skiing, Chess, Russian Literature