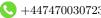
# Teodor Yankov



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# EDUCATION

#### University of Oxford

Oxford, UK

Master of Science, Social Data Science

Oct. 2023 - Aug 2024

- Grade (current): Distinction
- Courses in Python, analytical statistics, machine learning, network science, data analytics at scale, research methods.
- Thesis constructing novel algorithm for latent narrative extraction from unstructured text data, intersecting SLMs, LLMs, NLP and network science, evaluated on a novel benchmark I designed. Involved LLM fine-tuning, quantisation and performance evaluation.

# University College London (UCL)

London, UK

Bachelor of Science, Political Science and International Relations (with Data Science)

Sept. 2020 - May 2023

- Grade: First Class Honours, Dean's List
- Courses in R, causal/statistical inference, measurement, quant. data analysis, migration, democracy, public policy, ethics.
- Dissertation exploring the predictive capacity of the gravity model in forecasting transnational refugee flows, as well as the effect of model ethno-cultural sensitivity on prediction accuracy.

# Experience

#### Associate Data Scientist

June 2022 - Present

World Data Lab

Remote

- Mining, analysis, validation, modelling & visualisation, using structured and unstructured data, for collaborative projects measuring and forecasting migration, greenhouse gas emissions, demography and consumer class dynamics, digital inequality and national post-crisis poverty.
- Data consulting public-sector clients (e.g. IOM, GIZ, Internet Society) and private-sector clients (e.g. L'Oreal, Colgate, Mastercard), building decks, datasets and constructing high-value insights.
- Key insight mining for data-driven webinars on consumer spending with 200+ global attendees
- Led COP27 launch campaign, insight-mining and video production for the World Emissions Clock.
- Skills: R, Python, APIs and pipeline automation, machine learning, data consulting, data tool building, QA

Co-founder Jan. 2022 – Present

Youbee

London, UK

- · One of two founders of an app-based personal growth and self-improvement business combining innovative technology and self-help tools to improve the lives of students and workers. My main contribution is in data strategy, community outreach, website maintenance and the creative process.
- Skills: app development (front-end, HTML, CSS), website management (WordPress), Google Analytics, teamwork, problem-solving, UX design, graphic design, media

#### Research Assistant

May. 2021 - Sept 2023

London, UK

UCL Department of Political Science

- Assisting Dr Samer Anabtawi, researching LGBTQ+ activist networks in the MENA region.
- Assisting Dr. Richard McMahon, exploring China-EU mutual representation.
- (As UCL Connect.Ed Mentee) assisting PhD project researching the Moria refugee camp and EU refugee policy response.
- Skills: multimodal (audio, text) data processing, reference automation, primary data acquisition, data visualisation, policy research, literature review, writing, QA

# Summer Intern - Data Research

Jul 2021 - Sept 2021

Institute for Market Economics

Sofia, Bulgaria

- Synthesised reform plans submitted to the European Commission, helped build database of government & tax data for the assembly of regional profiles, used statistical software to filter and analyse large-N EU funding data.
- Skills: econometrics, data mining/analysis, databases, research, teamwork, communication, report writing

### TECHNICAL SKILLS

Languages: Python, R, HTML, CSS

Tools: Git, HuggingFace, Docker, VS Code, R Studio, Overleaf, Zotero, Figma, Notion, WordPress, Microsoft Office, Google Suite Libraries: pandas, NumPy, Matplotlib, scikit-learn, TensorFlow, PyTorch, networkX, nltk, langchain, tidyverse, data.table Models and algorithms: GPT-3.5-turbo, GPT-4, Llama 2/3, Mistral (7B) (quantised), BERT, BERTopic, SpacY