DR. PETER VICKERS

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PROFILE

Research Scientist working on multimodal NLP, retrieval systems, and evaluation. First-author publications at ACL, EMNLP, and AACL. Experience across research and deployment: vision–language modelling (Amazon), production RAG systems (Northeastern), and multilingual speech and text research at Spotify.

EXPERIENCE

Research Scientist, Spotify, Toronto   2025–Present

- Research on multilingual speech and text systems; advise ML engineering teams on model design and evaluation metrics.

Research Data Scientist, Northeastern University — Institute for Experiential AI, Portland, ME, USA   2024–2025

- Technical lead on GenAI consulting projects; designed and deployed RAG systems across medical and technical domains on AWS.
- Developed LLM pipelines for transcript and contract analysis and led requirements design for industry AI collaborations.

Applied Scientist Intern, Amazon, London, UK   2022–2023

- Adapted contrastive vision–language models for large-scale text–image retrieval; improved product precision by 12%.

Researcher, JSALT Workshop, Le Mans, France   2023

- Graph-based modelling of 200M academic papers and development of a citation prediction benchmark.

EDUCATION

PhD, Multimodal Natural Language Processing, University of Sheffield, UK   2019–2024
Publications at ACL, EMNLP, AACL; participant in two JSALT workshops.

MSc, Computer Science (Speech & NLP), University of Sheffield, UK   2018–2019
Distinction

MA (Oxon), English Language and Literature, Magdalen College, Oxford, UK   2015–2018

SELECTED PUBLICATIONS

Vickers & Church. *Comparing Edge-based and Node-based Methods on a Citation Prediction Task*. EMNLP 2024.

Vickers et al. *We Need to Talk About Classification Evaluation Metrics in NLP*. AACL 2023.

Vickers et al. *In Factuality: Efficient Integration of Relevant Facts for Visual Question Answering*. ACL 2021.

Full list: [Google Scholar](#)

TECHNICAL SKILLS

Technical: Python, PyTorch · NLP, Information Retrieval, Multimodal ML