

NICHOLAS EDWARDS

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EDUCATION

- University of Vienna**, PhD Computer Science 2025 - present
(Supervisor: Sebastian Schuster)
- University of Edinburgh**, MSc Speech & Language Processing 2021 - 2022
Result: Distinction
- University of Cambridge**, BA Linguistics 2018 - 2021
Result: First Class

PROFESSIONAL EXPERIENCE

- University College London/Google DeepMind** July 2025 - September 2025
Course Developer (contractor) London, UK
- Contributed to the development of Google DeepMind's [AI Research Foundations course](#)
 - Developed majority of educational materials, including coding lab notebooks and articles, for Course 6 (Efficient Training and Inference using a Single GPU)
 - Assisted in developing coding lab notebooks for Course 3 (Training Neural Networks)
- University College London** September 2024 - August 2025
Research Assistant London, UK
- Worked on a project investigating using LLMs as autonomous research agents, in collaboration with Boston University.
 - Supervisors: Sebastian Schuster (UCL) & Najoung Kim (Boston)
- Cohere** January 2024 - August 2025
Senior Data Quality Specialist - RAG Data Science (contractor) London, UK
- Curated high-quality human-annotated training data to improve the data science-related capabilities of Cohere's LLMs.
 - Combined skills in coding (Python, SQL) and writing to create training examples encompassing database exploration and understanding.
- Sense Street** September 2022 - September 2023
NLP Data Scientist London, UK
- Worked on all aspects of the machine learning pipeline, from data annotation through to model finetuning, working with state-of-the-art language models for novel classification and information extraction tasks in the financial domain.

PUBLICATIONS

Peer-Reviewed Publications

1. [RExBench: Can coding agents autonomously implement AI research extensions?](#)
Edwards, N.^{*}, Lee, Y.^{*}, Mao, Y. A., Qin, Y., Schuster, S.[†], & Kim, N.[†]
Annual Meeting of the Association for Computational Linguistics (ACL), 2026
^{*}Equal contribution. [†]Equal senior authorship.
2. [Anaphoric Structure Emerges Between Neural Networks](#)
Edwards, N., Rohde, H., & Coxe-Conklin, H.
Proceedings of the Annual Meeting of the Cognitive Science Society (CogSci), 2023

Preprints & Under Review

- P1. Harbor Adapters and Harbor-Mix: Infrastructure and a Curated Meta-Dataset for Large-Scale Agentic Evaluation**
Lin, S., ..., **Edwards, N.**, ..., Schmidt, L., & Shaw, A.
Under Review, 2026
- P2. Ask or Assume? Uncertainty-Aware Clarification-Seeking in Coding Agents**
Edwards, N., & Schuster, S.
Under Review, 2026
- P3. From Models to Systems: A Survey of Explainability for Tool-Augmented Language Models and AI Agents**
Roth, B., **Edwards, N.**, Hong, P., Schoenegger, L., & Schuster, S.
University of Vienna (preprint), 2026

PRESENTATIONS

- RExBench: Can coding agents autonomously implement AI research extensions?** *July 2026*
Poster Presentation, Annual Meeting of the Association for Computational Linguistics (ACL), San Diego
- RExBench: Can coding agents autonomously implement AI research extensions?** *September 2025*
Invited Talk, Prof. Ludwig Schmidt’s Research Group, Stanford/UW

ACADEMIC SERVICE

Conference Reviewer: NeurIPS 2026 Evaluations & Datasets Track

TECHNICAL SKILLS

Programming Languages	Python, SQL, Bash, R
Libraries	PyTorch, vLLM, Transformers, Pandas, scikit-learn
Agentic Tools	OpenHands, Harbor
Infrastructure	Git, Docker, Modal, AWS, Slurm, Apptainer

OTHER SKILLS

Natural Languages	English (native), Russian (fluent), German (advanced), French (intermediate)
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