

**Google DeepMind**. NYC. **Senior Research Scientist (-2022), Staff Research Scientist** 2018-

Conceived of *Attributable to Identified Sources* (AIS) grounding metric; this grew out of a grounded information-seeking dialogue system I created. Some other recent projects:

- *Search Generative Experience*: bootstrapped and led attribution eval, resulting in reliably grounded generation of long-form responses to queries based on retrieved search results (public CEO launch at Google I/O in 5/2023). The human eval I created is now the most-used eval by crowd worker time at all of Google.
- *Gemini*, Google's xxxB Large Language Model: I lead its factuality and attribution eval team. The evals produce reliable hillclimbing / ablation and launch evaluation signals. Oversaw automatic and human fact-checking eval development in many sub capabilities and downstream tasks. Achieved xx% reduction in factuality error as a result. Launched in Bard, Search Generative Experience, and Gemini Pro (Cloud).

Launched LLM in People Also Ask (Search) and enabled verbal open-domain question answering in Assistant, each outperforming production models by x%.

Led 35-person research/product translational dialogue working group.

**Penn State**. University Park PA, **Assistant Professor (-2018), Associate Professor** 2012-2019

Led research in quantitative cognitive science and on models of natural language dialogue. Obtained and executed projects worth \$4.3M in competitive external funding. Publications in top journals and at the highest-ranking computer science conferences. Taught software development (Java, Python) and graduate classes. Tenure 2018. 10 grad students (5 PhD).

**Carnegie Mellon University**, Pittsburgh, **Adjunct Professor** 2011-2012**MIT Media Lab Europe**, Dublin, **Research Fellow** 2002-2004**Agentscape**, Berlin, **Computational Linguist** 2000-2001

Also: U. Edinburgh USA Development Trust, Director, (2023-). Commercial Pilot. Aquamacs Lead (-2019). EN/DE/FR.

**EDUCATION**

**Postdoc** (Neuro-Psychological Modeling), Carnegie Mellon University 2008-2012

**PhD** (Cognitive Science / NLP), School of Informatics, University of Edinburgh 2008

**MSc** (Computer Science), University College Dublin 2005

**Diplom** (Computational Linguistics), University of Potsdam 2003

**SELECTED PUBLICATIONS** [Google Scholar](#)

Measuring attribution in natural language generation models. *Rashkin et al. (2023)*, [J Comp Ling](#)

Evaluating attribution in dialogue systems: The BEGIN benchmark. *Dziri et al. (2022)*, [Trans ACL](#)

Increasing faithfulness in knowledge-grounded dialogue with control. Features. *Rashkin et al. (2021)*, [ACL](#)

CONQRR: Conversational query rewriting for retrieval with reinforcement learning. *Wu et al. (2022)*, [EMNLP](#)

Fusion of detected objects in text for visual question answering. *Alberti et al. (2019)*, [EMNLP](#)

Information density converges in dialogue: Towards an information-theoretic... *Xu & Reitter (2018)*, [Cognition](#)

Learning simpler LM with the delta recurrent NN... *Ororbia, Mikolov, & Reitter (2017)*, [Neural Computation](#)

Spectral analysis of information density in dialogue predicts collab. Task Perf. *Xu & Reitter (2017)*, [ACL](#)

Alignment and task success in spoken dialogue. *Reitter & Moore (2014)*, [J Memory and Language](#)

A computational cognitive model of syntactic priming. *Reitter, Keller, & Moore (2011)*, [Cognitive Science](#)