

Georgia-Ann Carter

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Education

- 2019–
2024 **PhD in Natural Language Processing. Member of UKRI Centre for Doctoral Training in Natural Language Processing**
The University of Edinburgh, Scotland
Thesis: Contextual Effects on Semantic Processing
Supervisors: Dr Paul Hoffman, Prof Frank Keller
- 2017–
2019 **MSc in Cognitive Neuroscience with a Specialisation in Language & Communication**
Radboud University Nijmegen, The Netherlands
Classification: Cum Laude
Thesis: The Influence of Definiteness on Predictions During Discourse Comprehension: An EEG Study
Supervisor: Dr Mante Nieuwland
- 2013–
2017 **BA (Hons.) in English Language and Linguistics with a Year Abroad**
The University of Kent, England
Classification: First-class Honours
Dissertation: The Influence of Working Memory Capacity on Ambiguity Resolution
Supervisor: Dr Christina Kim

Publications

- Carter, G., & Nieuwland, M. (2022). Predicting Definite And Indefinite Referents During Discourse Comprehension: Evidence From Event-Related Potentials. *Cognitive Science*. <https://doi.org/10.1111/cogs.13092>
- Carter, G., & Hoffman, P. (under review). Discourse coherence modulates use of predictive processing during sentence comprehension. *PsyArXiv*. [10.31234/osf.io/4tj3p](https://doi.org/10.31234/osf.io/4tj3p)

Invited Talks

- Leveraging context for perceptual prediction using word embeddings. MWE Reading Group/NLP Seminars, University of Sheffield, Online. 9th August 2023.

Posters

- Carter, G, Hoffman, P. & Keller, F. (2023). Leveraging context for perceptual prediction using word embeddings. *Architectures and Mechanisms for Language Processing 29*. (Poster) and *Proceedings of the Annual Meeting of the Cognitive Science Society*, 45. (Poster)
- Carter, G. & Hoffman, P. (2022). Discourse coherence modulates use of predictive processing during sentence comprehension. *Architectures and Mechanisms for Language Processing 28*. (Poster)
- Carter, G., & Hoffman, P. (2021). Effects of global discourse coherence on local contextual predictions. *Proceedings of the Annual Meeting of the Cognitive Science Society*, 43. (Poster)

Teaching

- Tutor on Informatics 1 – Cognitive Science (2021/22)

- Python Lab Demonstrator on Introduction to Cognitive Science (2021/22, 2022/23)
- Marker on Doing Research in Natural Language Processing (2020/21)

Honours & Awards

- Runner-up in the University of Edinburgh Good Research Practice Awards (2022) as role of Open Research Facilitator
- PhD funding for the UKRI CDT in NLP (entry: 2019) at the University of Edinburgh, covering tuition, research costs and a stipend.
- Best Dissertation Award in English Language and Linguistics (2017) from The University of Kent

Employment

- Oct 2021 – Aug 2023 *Open Research Facilitator, School of PPLS, The University of Edinburgh*
Responsibilities: organising and delivering workshops promoting open research practices to researchers, maintenance of website as an open research information hub, promotional activities surrounding open research
- Aug 2017 – Dec 2017 *Student Assistant, Max Planck Institute of Psycholinguistics*
Research project: Multi-modal Signalling in Communicative Interaction
Responsibilities: coding corpus in specialist software, interpreting discourse transcriptions in Praat, conducting statistical analyses
- Nov 2016 – Dec 2017 *Research Assistant, The University of Kent*
Research project: Speaking or Singing? Unveiling Individual Variation in the Perception of the Speech-to-Song Illusion
Responsibilities: creating experiment materials, participant recruitment and testing
- Aug 2015 – Aug 2016 *Student Assistant, Max Planck Institute of Psycholinguistics*
Research project: Multi-modal Signalling in Communicative Interaction
Responsibilities: coding of behavioural data in specialist software
- May 2013 – Present *Academic Proofreader, LinguaClue*
Responsibilities: PTC-trained native English proofreader, specialised in academic texts; Intermediate Member at Chartered Institute of Editing & Proofreading

Outreach and Services

- I'm a Scientist, General Science Red Zone, April 2021
- Cowrie Scholarship Foundation Mentor, 2022/23
- Reviewer for Language, Cognition and Neuroscience and CogSci '23

Competences

- **Technical Skills:** R (advanced), Python (advanced), Matlab (intermediate), Java (beginner)
- **Research Skills:** EEG (advanced), eye-tracking (intermediate), fMRI (beginner)
- **Languages:** English (native), Dutch (intermediate)