Christian Clark

Ph.D. Candidate, The Ohio State University

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Education

The Ohio State University 2020–present
- Ph.D. Candidate in Computational Linguistics
- Advisor: William Schuler

University of Pittsburgh 2013–2017
- B.S. in Computer Science, B.A. in Music, Minor in Linguistics
- 4.0 GPA, *summa cum laude*

Employment

Amazon Alexa, Pittsburgh, PA
- Applied Scientist 2018–2020
  Implemented n-gram and recurrent neural network language models for on-device speech recognition
- Applied Scientist Intern 2017–2018
- Research Scientist Intern 2016

University of Pittsburgh
- Research Assistant, Learning Research and Development Center 2014

Publications

How Well Does First-Token Entropy Approximate Word Entropy as a Psycholinguistic Predictor?
Christian Clark, Byung-Doh Oh, and William Schuler,
arXiv preprint, 2025.

Linear Recency Bias During Training Improves Transformers' Fit to Reading Times.
Christian Clark, Byung-Doh Oh, and William Schuler,
Proceedings of the 31st International Conference on Computational Linguistics, 2025.

Categorial Grammar Induction with Stochastic Category Selection.
Christian Clark and William Schuler,
Proceedings of the 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation, 2024.

Categorial Grammar Induction from Raw Data.
Christian Clark and William Schuler,
Findings of the Association for Computational Linguistics, 2023.

Comparison of Structural Parsers and Neural Language Models as Surprisal Estimators.
Byung-Doh Oh, **Christian Clark**, and William Schuler,
Frontiers in Artificial Intelligence, 2022.

Surprisal Estimators for Human Reading Times Need Character Models.
Byung-Doh Oh, **Christian Clark**, and William Schuler,
Proceedings of the 59th Annual Meeting of the Association for Computational Linguistics and the 11th International Joint Conference on Natural Language Processing, 2021.

Presentations

Effects of Recency Bias on Transformers' Predictions of Reading Times. Invited talk (virtual) at University of Nottingham, 2025.

Linear Recency Bias During Training Improves Transformers' Fit to Reading Times.. Poster presentation at Midwest Speech and Language Days, 2025.

Effects of Recency Bias on Transformers' Predictions of Reading Times. Talk at the 38th Annual Conference on Human Sentence Processing, 2025.

Categorial Grammar Induction from Raw Data. Talk at Midwest Speech and Language Days, 2024.

Introduction to Computational Linguistics and Language Modeling. Invited guest lecture for Ohio State Summer Linguistics Institute for Youth Scholars, 2023.

Evidence for Composition Operations in Broad-Coverage Sentence Processing. Virtual poster presentation at the 35th Annual Conference on Human Sentence Processing, 2022.

Evidence for Composition Operations in Broad-Coverage Sentence Processing. Poster presentation at the Ohio State Center for Cognitive and Brain Sciences Fall Retreat, 2022.

LaTeX for Linguists. Annual workshop offered by the Ohio State Laboratory and Computing Committee, 2020–2024.

Data Selection for Language Modeling. Workshop presented at Amazon Machine Learning Conference, 2018.

Quantitative Authorship Attribution with the AppLing Corpus. Talk at University of Pittsburgh Linguistics Colloquium, 2016.

Teaching

Guest instructor for NACLO prep course, 2024
Metro Early College High School (Columbus, OH)

Graduate Teaching Associate, 2022–2023
LING 3802 (Language and Computers),
The Ohio State University

Undergraduate Teaching Assistant, 2015–2016
CS 0008 (Introduction to Python Programming),
University of Pittsburgh

Service

Reviewer for ACL Rolling Review 2023–2025

Proctor for NACLO 2022, 2023

Treasurer, Ohio State Student Linguistics Association 2021–2022

Ohio State Laboratory and Computing Committee member 2020–present

Awards

Dean's Distinguished University Fellowship, 2020–2022, 2025–2026
The Ohio State University

Outstanding Undergraduate Student, 2017
University of Pittsburgh Computer Science Department

Chancellor's Scholarship, University of Pittsburgh	2013–2017
National Merit Scholarship	2013