

Tiwa Eisape

Psycholinguistics, Natural language processing, Deep learning
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Education

2019 – Massachusetts Institute of Technology
Ph.D, Cognitive Science
Advisors: Roger Levy, Yoon Kim
Committee: Joshua Tenenbaum, Edward Gibson, Jacob Andreas
Major GPA: 5.0/5.0

2015 – 2019 Boston College
B.S, Computer Science
Advisors: Joshua Hartshorne, Stefano Anzellotti
Major GPA: 3.9/4.0

Employment

2019 Vimeo Applied Machine Learning
Research Intern

Honors

2021 Graduate Research Fellowship (National Science Foundation)
2019 GEM Full Fellowship (InterActiveCorp/GEM Consortium)
2021 Predoctoral Fellowship (Ford Foundation)
Honorable mention
2019 Dean of Sciences Fellowship (MIT)
2019 Presidential Fellowship (MIT)
awarded & declined
2019 Matthew R. Copithorne Scholarship (Boston College)
2016 Ronald E. McNair Scholarship (The Federal TRIO Programs)
2021 Walle Nauta Teaching Award (MIT)
2019 Order of the Cross and Crown (Boston College)

Publications

Conference Papers

Chen, R., Levy, R., & **Eisape, T.** (2021). On Factors Influencing Typing Time: Insights from a Viral Online Typing Game. In *Proceedings of the 43rd Annual Meeting of the Cognitive Science Society*.

Eisape, T., Zaslavsky, N., & Levy, R. (2020). Cloze Distillation: Improving Neural Language Models with Human Next-Word Prediction. In *Proceedings of the 24th Conference on Computational Natural Language Learning*.

Eisape, T., Levy, R., Tenenbaum, J., & Zaslavsky, N. (2020). Toward human-like object naming in artificial neural systems. In *The Bridging AI and Cognitive Science workshop at the 8th International Conference on Representation Learning*.

Abstracts & Posters

Chen, R., Levy, R., & **Eisape, T.** (2021). The Effect of Context on Typing Time: Evidence from 100,000 TypeRacers. In *Proceedings of the 34th Annual CUNY Conference on Human Sentence Processing*.

Eisape, T., Merrill, W., Dietz, S., & Hartshorne, J. (2020). Grammatical Accents: Using Machine Learning to Quantify Language Transfer. In *Proceedings of the 33rd Annual CUNY Conference on Human Sentence Processing*.

Eisape, T., Merrill, W., Dietz, S., & Hartshorne, J. (2018). Grammatical Accents: Using Machine Learning to Quantify Language Transfer. In *Proceedings of the 43rd Annual Meeting of the Cognitive Science Society*.

Teaching

Graduate courses

- (Spring) 2021 Teaching assistant, Cognitive Science (MIT)
- (Fall) 2020 Teaching Assistant, Computational Cognitive Science (MIT)
- (Fall) 2018 Teaching Assistant, Computational Models of Cognition (Boston College)

Undergraduate courses

- (Fall) 2018 Teaching Assistant, Data Mining (Boston College)
- (Spring) 2019 Teaching Assistant, Algorithms (Boston College)
- (Spring) 2018 Teaching Assistant, Computer Science I (Boston College)
- (Spring) 2018 Teaching Assistant, Personal and Social Responsibility (Boston College)
- (Fall) 2018 Teaching Assistant, Personal and Social Responsibility (Boston College)
- (Fall) 2017 Teaching Assistant, Personal and Social Responsibility (Boston College)

Talks

- 2021 Brain and Cognitive Sciences' Cog Lunch, MIT
- 2021 How Can Findings about the Brain Improve AI Systems workshop, ICLR
- 2021 Wehbe Lab, Carnegie Mellon University
- 2021 EdinburghNLP, The University of Edinburgh
- 2020 The Conference on Computational Natural Language Learning (CoNLL)
- 2020 Brain and Cognitive Sciences' Cog Lunch, MIT
- 2021 Psycholinguistics Coffee, The University of Edinburgh
- 2020 Bridging AI and Cognitive Science workshop, ICLR
- 2020 The Language Learning Lab, Boston College
- 2019 Machine Learning Reading Group, Vimeo
- 2018 The Atlantic Coast Conference Meeting of the Minds
- 2017 Ronald E. McNair Scholarship Research Symposium

Organizing

Conferences

- 2021 Technical Session Chair, Conference of the Cognitive Science Society

Speaker Series/Reading Groups

- 2021 CompLang, MIT
- 2019 Machine learning reading group, Vimeo

Research Assistants

- 2021 Vinh Le, Computation and Cognition (MIT)
- 2020 Robert Chen, Computer Science (MIT)
- 2020 Carl Joshua Quines, Mathematics (MIT)

Professional Service

- 2020 Diversity Ambassador, Office of Graduate Education, (MIT)
- 2020 Reviewer, DataKind/Data.org
Inclusive Growth & Recovery Challenge
- 2020 Diversity Ambassador, Office of Graduate Education (MIT)
- 2017 Tutor, Resilient Coders
- 2018 Preceptor, Options Through Education (Boston College)
- 2017 Council Member, PULSE Program for Service Learning (Boston College)

Reviewing (journals): Openmind ('21)

Reviewing (conferences): Cogsci ('21)

Miscellany

- 2016 Captain, Boston College Varsity Men's Rowing