Tiwalayo n. Eisape

Massachusetts Institute of Technology
Psycholinguistics | Deep learning | Natural language processing

Education

2019 -	Ph.D. Brain & Cognitive Sciences, Massachusetts Institute of Technology
	Advisor: Roger Levy
2015 - 2019	B.S. Computer Science, Boston College
	Advisors: Joshua K. Hartshorne, Stefano Anzellotti

Professional Experience

2019	Research Scientist, Vimeo Applied Machine Learning

Honors and awards

2019	Dean of Sciences Fellowship, Massachusetts Institute of Technology
2019	Presidential Fellowship, Massachusetts Institute of Technology (awarded & declined)
2019	Matthew R. Copithorne Scholarship, Boston College
2019	GEM Full Fellowship, InterActiveCorp/ The National GEM Consortium
2020	D&I Award, The Conference on Empirical Methods in Natural Language Processing
2019	Order of the Cross and Crown, Boston College
2018	Computer Science Honors Program, Boston College
2016	Ronald E. Mcnair Scholarship, The Federal TRIO Programs
2016	Undergraduate Research Fellowship, Boston College

Teaching

Graduate Courses

2021 (Spring)	Teaching Assistant, Cognitive Science (Cog), MIT
2020 (Fall)	Teaching Assistant, Computational Cognitive Science (Comp/Cog), MIT
2018 (Fall)	Teaching Assistant, Computational Models of Cognition (Comp/Cog), Boston College

Undergraduate Courses

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

Publications, posters, and talks

Conference Papers

2020	Cloze Distillation: Improving Neural Language Models with Human Next-Word Predictions
	In the Proceeding of the *24th annual Conference on Computational Natural Language Learning*
	Tiwalayo Eisape, *Noga Zaslavsky, Roger Levy*
2020	Toward Human-like Object Naming in Artificial Neural Systems

*In the Proceedings of the 1st Workshop on Bridging AI and Cognitive Sciences
at the International Conference on Learning Representations.*
Tiwalayo Eisape, *Roger Levy, Joshua Tenenbaum, Noga Zaslavsky*

Conference Abstracts and Posters

2021   On Factors Influencing Typing Time: Analyzing TypeRacer's Massive Open Access Dataset
In the Proceedings of the 34th Annual CUNY Conference on Human Sentence Processing
*Robert Chen, Roger Levy, **Tiwalayo Eisape**.*

2020   Grammatical Accents: Using Machine Learning to Quantify Language Transfer
In the Proceedings of the 33rd Annual CUNY Conference on Human Sentence Processing
In the Proceedings of the 40th Annual Conference of the Cognitive Science Society
Tiwalayo Eisape, *William Merrill, Sven Dietz, Joshua K. Hartshorne.*

2017   Investigating Fibonacci Retracement in the Foreign Exchange Market with Deep Dream
13th Ronald E. Mcnair Scholarship Research Symposium
Tiwalayo Eisape

In-preparation

2018   Replication of Saffran, Newport, & Aslin (1996): *The Role of Distributional Cues*
*Han X. Choong, **Tiwalayo Eisape**, Shelby Grasso, Lisa Kurt, Celine J. R. Lim, Jingrun Lin, Carrie
Milinazzo, Yueran Yang, Mariela Jennings, Lauren Skorb, & Joshua K. Hartshorne.*

Talks

2021   Wehbe Lab, Carnegie Mellon University
2021   EdinburghNLP, The University of Edinburgh
2020   The 24th 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

Leadership

2016   Captain, Varsity Men's Rowing Team, Boston College
2018 - 2019   Residential Assistant, Multicultural Learning Experience program, Boston College
2017 - 2019   Council Member, PULSE Program for Service Learning, Boston College
2018   Preceptor, Options Through Education, Boston College

Students

Research Assistants

2020   Carl Joshua Quines, Research Assistant, MIT, Mathematics
2020   Robert Chen, Research Assistant, MIT, Computer Science

Professional Service

2021   Reviewer, CogSci
2020   Reviewer, DataKind/Data.org
Inclusive Growth & Recovery Challenge
2020   Diversity Ambassador, Office of Graduate Education, MIT
2017   Tutor, Resilient Coders