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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 Fellowship, InterActiveCorp
2019 Order of the Cross and Crown, Boston College
2018 Computer Science Honors Program, Boston College
2016 Ronald E. Mcnair Scholarship, Federal TRIO Programs

Teaching

Graduate Courses

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 Improves Psychometric Predictive Power
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

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 Distilling Human Knowledge into Language Models
Psycholinguistics Coffee, The University of Edinburgh

2020 Computer Vision Models are Language Models
The Language Learning Lab, Boston College

2018 Syntactic Features for Native Language Identification in Spanish and English Corpora
The Atlantic Coast Conference Meeting of the Minds 2018

2017 Investigating Fibonacci Retracement in the Foreign Exchange Market with Deep Dream
13th 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

2020 Reviewer, DataKind/data.org
Reviewed for The Inclusive Growth & Recovery Challenge

2020 Diversity Ambassador, Office of Graduate Education, MIT
2017 Tutor, Resilient Coders