Seun Eisape

Machine Learning, Brain Computer Interfaces, Cognitive Science, Natural language processing
eisape@berkeley.edu

Education

2029 – University of California, Berkeley, Ph.D. Electrical Engineering & Computer Science
Advisor: Alane Suhr

2020 – Haverford College, B.S. Computer Science
Advisors: Daniel Grodner, Alvin Grissom II, Xiaodong Qu, Joshua Hartshorne

Research

2023 – Brain-Computer Interfaces Lab
Mentor: Xiaodong Qu (Swarthmore College)

2022 – Cognitive Science/Semantics Lab
Mentor: Daniel Grodner (Swarthmore College)

2022 – Machine Translation Lab
Mentor: Alvin Grisssom II (Haverford College)

2021 – Language Learning Lab
Mentor: Joshua Hartshorne (Boston College)

Employment

2024 – Johns Hopkins Human Language Technology Center of Excellence, Visiting Research Scholar

2023 – Ask Media Group Applied Machine Learning, Research Intern

Papers

2023 – **Eisape, S.**, & Grodner, D. (in prep). Priming the Unsaid: Using context to model alternative speaker utterances in pragmatic inferencing.

2023 – **Eisape, S.**, & Grissom II, A. (Thesis). An Examination of the Sensitivity of Transformer-based Machine Translation Models to Simple Linguistically-motivated Perturbations.

Talks

2023 – ”Priming the Unsaid: A Study of How People Read Between the Lines.” KINSC Research Symposium, Haverford, PA, September 2023.

2023 – ”Brain-Computer Interfaces: Using Machine Learning to Decode Brain Signals.” Chesick Scholar Symposium, Haverford, PA, September 2023.

2022 – ”Examining Semantic Negation in Diffusion Models for Text-To-Image Generation.” Lecture on Deep Learning for Computer Vision, Haverford, PA, October 2022.

Honors

2024 – GEM Full Fellow

2024 – UC Berkeley Chancellor Fellow

2023 – KINSC/Velay Fellow

2023 – Chesick Scholar Summer Fellow

2023 – InterActiveCorp Academic Scholarship

2022 – InterActiveCorp Foundation Fellow

2021 – Diversity Fellow, Boston University Conference on Language Development

Teaching

Undergraduate courses

2023 – CS260 - Data Science (Haverford College)

2023 – CS105 - Introduction to Computer Science (Haverford College)

Relevant Coursework

2022 – Course: *Independent Study in Computer Science*

2022 – Course: *Independent study in Computational Cognitive Science*

2022 – Course: *Advanced Topics in Machine Learning: Deep Learning for Computer Vision*

2022 – Course: *Speech Synthesis & Recognition*

2022 – Self-Study: *Pattern Recognition and Machine Learning*, by Christopher Bishop

Professional Service

2023 – Discrete Math Tutor, Chester Corretional Facility