Karl Mulligan

karl[dot]mulligan[at]jhu[dot]edu · https://karlmulligan.github.io
Krieger Hall, Room 239
Dept. of Cognitive Science, Johns Hopkins University
3400 N Charles St, Baltimore, MD 21218

Education

2019 – Present	**Johns Hopkins University** – Baltimore, MD PhD in Cognitive Science (expected)
2019 – 2021	**Johns Hopkins University** – Baltimore, MD MA in Cognitive Science
Fall 2016	**Universitat de València** – Valencia, Spain Semester abroad in the Faculty of Philology, Translation, and Communication
2015 – 2019	**Rutgers University** – New Brunswick, NJ BS in Computer Science; BA in Linguistics, Cognitive Science

Research experience

Summer 2018	**Jelinek Workshop on Speech and Language Technology** – Baltimore, MD Center for Language and Speech Processing, Johns Hopkins University PI: Lucia Specia (ICL, Sheffield) · Mentor: Desmond Elliott (Copenhagen)
Summer 2017	**CSLI Summer Internship Program** – Stanford, CA Center for the Study of Language and Information, Stanford University PI: Noah D. Goodman · Mentors: Robert D. Hawkins, Judith Fan
Summer 2016	**Aresty Summer Science Program** – Piscataway, NJ Aresty Research Center, Rutgers University PI: Karin Stromswold

Publications

(to appear)	**Mulligan, Karl**, and Kyle Rawlins. "Perspectival biscuits." In *Proceedings of Semantics and Linguistic Theory (SALT) 33*. New Haven, CT.
(to appear)	**Mulligan, Karl**, and Kyle Rawlins. "A compositional semantics for spatial perspective-shifting adjuncts." In *Proceedings of the West Coast Conference on Formal Linguistics (WCCFL) 40*. Stanford, CA (Online).

2021   **Mulligan, Karl**, Robert Frank, and Tal Linzen. "Structure Here, Bias There: Hierarchical Generalization by Jointly Learning Syntactic Transformations." In *Proceedings of the Society for Computation in Linguistics (SCiL)*, 4:125–35. Online.

2020   Specia, Lucia, et al. (incl. **Karl Mulligan**). "Grounded Sequence to Sequence Transduction." *IEEE Journal of Selected Topics in Signal Processing* 14, no. 3: 577–91.

Conference talks

2023   **Mulligan, Karl**, Kyle Rawlins. "Perspectival biscuits." *Semantics and Linguistic Theory (SALT) 33*. New Haven, CT.

2021   **Mulligan, Karl**, Robert Frank, and Tal Linzen. "Structure Here, Bias There: Hierarchical Generalization by Jointly Learning Syntactic Transformations." *Society for Computation for Linguistics (SCiL) 4*. Online.

Posters

2019   **Mulligan, Karl**, Aldo Mayro, Paul de Lacy, Gwendolyn Rehrig, Karin Stromswold. (presented by Megan Kenny). "Who lengthened my verb stem? Prosodic words and phrases." *90th Annual Meeting of the Eastern Psychological Association*. New York, NY.

Non peer-reviewed posters and presentations

2023   **Mulligan, Karl**, Kyle Rawlins. "Crowdsourcing QUD Annotations." Poster presented at the 9th Mid-Atlantic Colloquium of Studies in Meaning (MACSIM). Philadelphia, PA.

2021   **Mulligan, Karl**. "A compositional semantics for spatial perspective-shifting adjuncts." Brown Bag talk series, JHU Cognitive Science. Baltimore, MD.

2017   **Mulligan, Karl**, Robert D. Hawkins, Judith Fan. "Communicating about objects in context." Talk given at the conclusion of the 4th Annual Center for the Study of Language and Information (CSLI) Summer Internship Program. Stanford, CA.

2017   **Mulligan, Karl**, Aldo Mayro, Paul de Lacy, Gwendolyn Rehrig, Karin Stromswold. "Effects of verb stem lengthening by sentence construction." Poster presented at the 11th Annual Rutgers Center for Cognitive Science (RuCCS) Perceptual Science Forum. Piscataway, NJ.

Teaching experience

Spring 2022	**Bilingualism**, Teaching Assistant Johns Hopkins University
Fall 2021	**Semantics**, Teaching Assistant Johns Hopkins University
Spring 2021	**Phonology**, Teaching Assistant Johns Hopkins University
Spring 2020	**Language and Thought**, Teaching Assistant Johns Hopkins University

Honors and awards

2020	**NSF Graduate Research Fellowship Program**, Honorable Mention
2019	**Paul Robeson Scholar**, School of Arts and Sciences, Rutgers
2019	**Award for Academic Excellence**, Department of Linguistics, Rutgers
2018-2019	**Phi Beta Kappa**
2015-2019	**Dean's List** (x8), Rutgers
2015	**Alpha Delta Phi Literary Competition**, 1st Prize
2015	**Presidential Scholarship**, Rutgers (4-year full tuition, room, board)
2015	**National Merit Scholar**

Service

2021-Present	**Colloquium Organizing Committee**, JHU CogSci, member
2021-Present	**Prospective Student Mentoring Program**, JHU CogSci, mentor
2022	**Omega Psi "Applying to Graduate School" Panel**, panelist
2021-2022	**Diversity and Representation Committee**, JHU CogSci, member

Technical skills

Programming languages
Python, Javascript, R, SQL

Other technical skills
Unix Shell, LaTeX, Git, CSS, HTML, Praat

Natural languages
English (native), Spanish (advanced), French (beginner), Mandarin (spoken only)