

Curriculum Vitae
BRODY SILVA
(713) 969-7507 | brodyrms@gmail.com

EDUCATION

JOHNS HOPKINS UNIVERSITY, Baltimore, MD Aug 2018 - May 2022

Bachelor of Science, Neuroscience, Cognitive Science

Focal Areas: Cognitive Neuroscience, Computational Approaches to Cognition

Minor: Linguistics

Major GPA: 3.61/4.00

KINGWOOD HIGH SCHOOL, Houston, TX

Aug 2015 - May 2018

RESEARCH INTERESTS

I am passionate about the connection between linguistics and cognitive science, specifically in investigating the role of language as a medium by which to represent and classify our conceptions of reality. From consciousness and creativity; to theories of the phonological inventory; to language as a perceptual filter of experiences. I'm also devoted to spreading knowledge about cognitive science through outreach projects and publicly accessible education.

Topics of interest include:

- Language processing (behavioral neuroimaging and longitudinal studies of aphasia)
- Acquisition of morphophonology in FLA and SLA
- Computational models of social cognition (perception vs cognition)
- Core knowledge and the modular nature of cognition (domain-general vs specific)
- Questioning experimental frameworks of cognitive and developmental psychology (theory of mind, agency and goal-oriented learning)

WORK EXPERIENCE

Teaching Assistant

Jan 2021 - Present

Johns Hopkins University, Baltimore, MD

- Worked under Prof. Julia Yarmolinskaya holding multiple office hours weekly, grading assignments and exams, creating weekly materials/practice problems, and proctoring assessments. Classes include:
 - Language and Mind (Fall 2021): introductory linguistics class including units on all fields of theoretical linguistics and language acquisition
 - First Language Acquisition (Fall 2021): child language learning and theories/issues in research
 - Neurolinguistics (Spring 2021): neural substrates of language and their roles in cognition
 - Second Language Acquisition (Spring 2021, Spring 2022): naturalistic bi/multilingualism and their effects on the mind

Research Assistant

Jun 2021 - Aug 2021

New York University, Remote, NY

- Supported the Neuroscience of Language Lab in studying morphotactic and phonotactic constraints generated by a LSTM character-based language model. Created analytic programs to extract rules and patterns from the functional output of the model.

Research Assistant

Jan 2019 - Jun 2020

Johns Hopkins University, Baltimore, MD

- Phonetics, Phonology, & Optimality Theory Lab of Dr. Colin Wilson
 - Examined consonantal categorical perception task for the phonemes /d/ and /g/.
 - Facilitated subjects, experimental design, and analysis/discussion.
- Language and Cognition Lab of Dr. Barbara Landau
 - Oversaw online study of linguistic representations of symmetry
 - Handled background reading, stimulus production, and data analysis.

PROFESSIONAL DEVELOPMENT

Intern

Sept 2021 - Jan 2022

Linguistic Society of America (LSA), Washington, D.C.

- Managed and designed social media content. Promoted organization's events
- Solely maintained organization website and member database
- Organized logistics and materials for the 2022 Annual Meeting in Washington, D.C.
- Identified and facilitated communication with speakers, panelists, conference attendees

Staff Communicator

Aug 2021 - Jan 2022

League for People with Disabilities, Baltimore, M.D.

- Selected as one of 4 students to join for the semester
- Engaged in supported conversation and creative projects to engender communication in a community-based learning program at the Snyder Center for Aphasia Life Enhancement (SCALE) with stroke/accident victims

PRESENTED WORKS

Silva, B. (2022). *Creating Naturalistic Interactions in Language Learning Technologies*. Poster, 7th Omega Psi Annual Conference (Cognitive Science Society), Johns Hopkins University.

SKILLS

Software: R Python Java Praat LaTeX

Languages: English (Fluent) French (Advanced) Spanish (Advanced)

Interpersonal Assets:

- Familiar with organizational principles of teaching, communication, and assessment
- Experienced with languages, cognitive disorders and LGBTQ+/minority communities
- Strong computational fluency with data science and willingness to self-teach skills
- Adept at working with children and young adolescents as a tutor, mentor, and researcher

RELEVANT UNDERGRADUATE COURSEWORK

Syntax, Phonology, Semantics, First & Second Language Acquisition, Computational Social Cognition, Applying Cognitive Neuroscience to Artificial Intelligence I & II, Foundations of Cognitive Science, Formal Approaches to Cognitive Science, Neurobiology of Human Cognition, Language & Thought, Bayesian Inference, Bilingualism, Written Language: Normal Processing & Disorders

VOLUNTEERING & MENTORSHIP

Omega Psi (JHU Undergraduate Cognitive Science Society)

Aug 2018

Project Coordinator and Linguistics Chair, Baltimore MD

- Created bi-weekly programming for mentorship of underclassmen
- Facilitated professional development, organized research opportunities, and invited industry professionals to speak at events.
- Organized the Annual Conference consisting of work on psycholinguistics, graduate workshops, and plenary speakers.

Habitat for Humanity, Baltimore, MD

Aug 2018 - Mar 2020

Volunteer

- Worked with an on-campus club and the Habitat for Humanity of the Chesapeake to rebuild and restore vacant homes in the Baltimore community.

REFERENCES

Dr. Julia Yarmolinskaya (yarmolinskaya@cogsci.jhu.edu): senior lecturer in the JHU Cognitive Science Department for whom I have been the Teaching Assistant for over a year.

Dr. Angela Schrader (aloewenhagen@gmail.com): Meetings Chair at the Linguistic Society of America where I was the student intern.

Dr. Brenda Rapp (brapp1@jhu.edu): professor in the JHU Cognitive Science and Neuroscience departments; former advisor with whom I have taken many classes.