

Curriculum Vitae  
**BRODY SILVA**

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## EDUCATION

**JOHNS HOPKINS UNIVERSITY**, Baltimore, MD

Aug 2018 - May 2022

**B.S. Neuroscience, B.A. Cognitive Science, Linguistics (minor)**

Focal Areas: Cognitive Neuroscience, Computational Approaches to Cognition

Major GPA: 3.61/4.00

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## ACADEMIC EXPERIENCE

### Research Assistant

*Harvard University, Psychology*

Sept 2022 - Present

- ❖ Cognitive Neuropsychology Lab of Dr. Alfonso Caramazza. Worked with post-doctoral fellow Esti Blanco-Elorrieta on a study of bilingual aphasia using fMRI, linguistic testing, and VLSM.

### Teaching Assistant

*Harvard University, Psychology*

Sept 2022 - Present

- ❖ Held office hours, graded assessments, independently led course sections, and provided feedback on writing.
  - *Introduction to Psychological Science* (Fall 2022): introductory course covering topics such as memory, sleep, learning, personality, consciousness, and psychopathology.
  - *Brain Damage as a Window into the Mind: Cognitive Neuropsychology* (Fall 2022): effects of neurological damage on cognitive abilities in visual processing, semantic categories, memory, spatial reasoning, and language

### Teaching Assistant

*Johns Hopkins University, Cognitive Science*

Jan 2021 - May 2022

- ❖ Gained experience holding weekly review sessions, proctoring and grading assessment, and creating materials and practice problems.
  - *Language and Mind* (Fall 2021): introductory linguistics class covering topics such as phonology, syntax, semantics, and language acquisition.
  - *First Language Acquisition* (Fall 2021): course exploring theories and issues in child language learning and their connection to cognitive development.
  - *Neurolinguistics* (Spring 2021): examining the neural substrates of language including the modular nature of morphosyntax, thematic roles, and conceptual knowledge.
  - *Second Language Acquisition* (Spring 2021, Spring 2022): naturalistic multilingualism and discussions of the cognitive architectures of language.

### Research Assistant

*New York University, Linguistics*

Jun 2021 - Aug 2021

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

### Research Assistant

*Johns Hopkins University, Cognitive Science*

Jan 2019 - Jun 2020

- ❖ Phonetics, Phonology, & Optimality Theory Lab of Dr. Colin Wilson. Collaborated on a categorical perception study and the effects of contextual stimuli by facilitating subjects, contributing to discussions of experimental design, and quantitative analysis skills.
- ❖ Language and Cognition Lab of Dr. Barbara Landau. Assisted in an online study of linguistic representations of symmetry through linguistic analysis for stimulus production, background reading, and data analytics pipelines.

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## PRESENTED WORKS

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

## PROFESSIONAL DEVELOPMENT

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- Project/ Linguistics Chair** *JHU Omega Psi (Cognitive Science) Society* Aug 2019 - May 2022
- ❖ 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 presentations of work on psycholinguistics, a poster session, graduate workshops, and plenary speakers from colleges across the East Coast.
- Student Intern** *Linguistic Society of America* Sept 2021 - Jan 2022
- ❖ Managed and designed social media content promoting organizational events and the field of linguistics.
  - ❖ Maintained organization website, member database, and resources (including job listings).
  - ❖ Organized logistics and materials for the 2022 Annual Meeting in Washington, D.C.
  - ❖ Identified and facilitated communication with speakers, panelists, conference attendees.
- Staff Communicator** *League for People with Disabilities* Aug 2021 - Jan 2022
- ❖ Selected as one of 4 students to join a community-based learning program in which I engaged in supported conversation and creative projects to engender communication at the Snyder Center for Aphasia Life Enhancement (SCALE).
  - ❖ Gained experience and comfort with stroke/accident victims with acquired aphasia.

## SKILLS

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**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 multilingual, marginalized, and neurodiverse individuals.
- ❖ Strong computational fluency with data science and willingness to self-teach skills.
- ❖ Adept at working with children and adolescents as a tutor, mentor, and researcher.

## RELEVANT UNDERGRADUATE COURSEWORK

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Syntax I, Phonology I, Semantics I, 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

## PROFFESIONAL AFFILIATIONS

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Society for the Neurobiology of Language (Student member, 2022- )  
Linguistic Society of America (Student member, 2021- )  
NextGen Psych Scholars Program (Mentee, 2022- )

## REFERENCES

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**Dr. Colin Wilson** (wilson@cogsci.jhu.edu): professor in the JHU Cognitive Science department. Undergraduate advisor and PI.

**Dr. Julia Yarmolinskaya** (yarmolinskaya@cogsci.jhu.edu): senior lecturer in the JHU Cognitive Science Department. Supervisor in teaching for courses at JHU.

**Dr. Angela Schrader** (aloewenhagen@gmail.com): former Meetings Chair at the Linguistic Society of America. Coworker and associate in planning the 2022 LSA Annual Meeting.