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 (with honors)
    Linguistics (minor)
    Focal Areas: Cognitive Neuroscience, Computational Approaches to Cognition
    Major GPA: 3.72/4.00   Overall GPA: 3.37/4.00

RESEARCH EXPERIENCE

Research Assistant   *Harvard University, Psychology*   Sept 2022 - Dec 2022
- ❖ Cognitive Neuropsychology Lab of Dr. Alfonso Caramazza. Worked on a study of bilingual aphasia using fMRI, linguistic testing, and VLSM. Managed undergraduate RAs and learned skills in data manipulation, creating analysis pipelines, and working with videos from brain-damaged subjects.

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 in a sound booth, contributing to discussions of experimental design, and acquiring quantitative analysis skills.
- ❖ Language and Cognition Lab of Dr. Barbara Landau. Assisted in an online study of linguistic representations of symmetry though linguistic analysis for stimulus production, background reading, and data analytics pipelines.

TEACHING EXPERIENCE

Assistant Academic Director   *Georgetown University, SCS*   May 2023 - Aug 2023
- ❖ Facilitated programming for high-school students throughout the summer by managing student issues, enforcing procedures, assisting in instruction, and answering questions about the undergraduate experience for 1-Week Medical Academies (I/II) and 3-Week Business and Entrepreneurship Academy.

Teaching Assistant   *Harvard University, Psychology*   Sept 2022 - Dec 2022
- ❖ 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 assessments, 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.

PROFESSIONAL DEVELOPMENT

Project & Linguistics Chair   *JHU Omega Psi Cognititve 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, poster sessions, 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

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.

PROFFESIONAL AFFLIATIONS

Society for the Neurobiology of Language (Student member, 2022-)
Linguistic Society of America (Student member, 2021-)

RELEVANT UNDERGRADUATE COURSEWORK

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

REFERENCES

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.

Dr. Monica Lopez-Gonzalez (mlopezg1@jhu.edu): senior lecturer in the JHU Cognitive Science department teaching courses on AI ethics, cognitive neuroscience, and musicology.

Dr. Jason Mitchell (jason_mitchell@harvard.edu): professor in the Harvard University Psychology department, supervisor in teaching for course at Harvard.