

EDUCATION

UNIVERSITY OF DELAWARE , Newark, DE	Aug 2024 - May 2025
M.A. Linguistics and Cognitive Science	
GPA (as of Feb. 25): 4.00	
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	<i>Harvard University, Psychology</i>	Sept 2022 - Dec 2022
<ul style="list-style-type: none">❖ Cognitive Neuropsychology Lab of Dr. Alfonso Caramazza. Facilitated a study of bilingual aphasia using fMRI and linguistic testing. Managed multiple undergraduate RAs and learned skills in data manipulation, creating analysis pipelines, and working with videos from subjects with acute aphasia.		
Research Assistant	<i>New York University, Linguistics</i>	Jun 2021 - Aug 2021
<ul style="list-style-type: none">❖ Neuroscience of Language Lab of Dr. Alec Marantz. Assisted in extracting morphotactic and phonotactic constraints generated by a blank-slate language model. Examined analytic programs to extract rules and patterns from the functional output of the model using Python and TensorFlow.		
Research Assistant	<i>Johns Hopkins University, Cognitive Science</i>	Jan 2019 - Jun 2020
<ul style="list-style-type: none">❖ Phonetics, Phonology, & Optimality Theory Lab of Dr. Colin Wilson. Tested the effects of contextual stimuli on categorical phoneme perception facilitating subjects in a sound booth while contributing to discussions of experimental design..❖ Language and Cognition Lab of Dr. Barbara Landau. Assisted in a study of linguistic representations of symmetry through corpus analysis for stimulus production, background reading, and data analytics pipelines.		

TEACHING AND PROFESSIONAL EXPERIENCE

Program Coordinator	<i>MATHCOUNTS Foundation</i>	Sep 2023 - Present
<ul style="list-style-type: none">❖ Managed registration, communications, and technical tasks for a national education non-profit serving over 100k+ students. Coordinated resources and competitions for schools across the country to enhance the personal impact of math education, especially in schools receiving Title I funding or representing underrepresented communities.		
Mentor/Temp. Assistant Academic Director	<i>Georgetown University, SCS</i>	May 2023 - Aug 2023
<ul style="list-style-type: none">❖ Facilitated programming for high-school students throughout the summer by managing student issues, enforcing procedures, assisting in instruction, and mentoring students about the undergraduate experience for medical academies and a month-long business and entrepreneurship program.❖ Appointed as replacement Assistant Academic Director overseeing others and directing class performance.		

Teaching Assistant*Harvard University, Psychology*

Sept 2022 - Dec 2022

- ❖ Held office hours, graded & wrote assessments, independently led course sections, and provided feedback on writing for over 40 students. Courses: *Introduction to Psychological Science* (Fall 2022), *Brain Damage as a Window into the Mind: Cognitive Neuropsychology* (Fall 2022).

Teaching Assistant*Johns Hopkins University, Cognitive Science*

Jan 2021 - May 2022

- ❖ Gained experience holding weekly review sessions, proctoring and grading assessments, creating novel learning materials and practice problems for students. Courses: *Language and Mind* (Fall 2021), *First Language Acquisition* (Fall 2021), *Neurolinguistics* (Spring 2021), *Second Language Acquisition* (Spring 2021, Spring 2022).

Project & Linguistics Chair*JHU Omega Psi Cognitive Science Society*

Aug 2019 - May 2022

- ❖ Created bi-weekly programming for mentorship of undergrads in cognitive science through panels and debates, professional development opportunities, and invited talks by industry professionals.
- ❖ 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 public communications of LSA events and other linguistics news to the general public. Worked with multiple committees to represent linguistics accurately in the academic organization community.
- ❖ Independently maintained the LSA organization website, member database, and resource archive.
- ❖ Organized logistics and materials for the 2022 Annual Meeting in Washington, DC through facilitated communication with speakers, panelists, and over 1500 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 engaging in supported conversation and creative projects to engender communication at the Snyder Center for Aphasia Life Enhancement (SCALE).
- ❖ Gained experience and comfort helping stroke victims with acquired aphasia.

CONFERENCE PRESENTATIONS

Silva, B., Pirela-Alvarez, R., Maestre, G., & Blanco-Elorrieta, E., (2022). Mapping cortical lesions and communicative deficits in bilingual aphasia. Dementia and Brain Aging in Low/Middle Income Countries Conference. Nairobi, Kenya.

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

AWARDS

Johns Hopkins University Department of Cognitive Science, departmental honors.
7th Omega Psi Annual Conference, Best Poster award.

PROFESSIONAL AFFILIATIONS

Society for the Neurobiology of Language (Student member, 2022-)
Linguistic Society of America (Member, 2021-)
NextGen Psych Scholars Program (Mentee, 2022-2023)

SKILLS

Software: R (advanced), Python (intermediate), Java (intermediate), Praat, LaTeX, Qualtrics, E-Prime, PCIBex

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

Interpersonal Assets:

- ❖ Motivated towards improving organizational principles of teaching, communication, and assessment. Highly oriented toward optimizing processes and creating guides/manuals.
- ❖ Experienced with multilingual or neurodiverse individuals, especially those with language or cognitive disabilities.
- ❖ Strong computational fluency with data science and willingness to self-teach skills in neuroimaging methods (EEG, fMRI) and self-paced reading tasks.
- ❖ Adept at working with young children, infants, and adolescents as a tutor, mentor, and researcher.