

# Holly A. Zaharchuk

GRADUATE STUDENT

University Park, Pennsylvania, United States

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## Research interests

My research interests lie at the intersection of cognitive psychology and sociolinguistics. I investigate and challenge the boundaries between dialects and languages with EEG, behavioral methods, and field work. My particular areas of study include syntactic variation, code-switching, and network models of language.

## Education

### The Pennsylvania State University

PH.D., PSYCHOLOGY AND LANGUAGE SCIENCE, SPECIALIZATION IN COGNITIVE AND AFFECTIVE NEUROSCIENCE

University Park, Pennsylvania

2018 - present

- Advisor: Dr. Janet G. van Hell

### The Pennsylvania State University

M.S., PSYCHOLOGY

University Park, Pennsylvania

2018 - 2020

- Advisor: Dr. Janet G. van Hell
- Master's thesis: *We "might could" revisit syntactic processing: Studying dialectal variation with event-related potentials*

### The University of Chicago

B.A., PSYCHOLOGY, MINOR IN LINGUISTICS

Chicago, Illinois

2011 - 2015

- Advisor: Dr. Daniel Casasanto
- Honors thesis: *Does linguistic experience change mental representations of pitch?*

## Honors and awards

### NSF-funded Partnerships for International Research and Education (PIRE) Fellowship

EIGHT-WEEK FELLOWSHIP TO CONDUCT FIELD RESEARCH IN COLOMBIA IN SUMMER 2020

The Pennsylvania State University

Postponed due to COVID-19

### Bruce V. Moore Graduate Fellowship in Psychology

TRAVEL AWARD FOR POSTER PRESENTATION AT PSYCHONOMIC SOCIETY 60TH ANNUAL MEETING

The Pennsylvania State University

Nov 2019

### University Graduate Fellowship

FIVE-YEAR FELLOWSHIP FOR RESEARCH DOCTORAL STUDENTS

The Pennsylvania State University

Aug 2018 - present

### University Scholar Award

FOUR-YEAR MERIT SCHOLARSHIP

The University of Chicago

Sep 2011 - Jun 2015

## Publications

Lucero, C., **Zaharchuk, H.**, & Casasanto, D. (2014). Beat gestures facilitate speech production. In P. Bello, M. Guarini, M. McShane, & B. Scassellati (Eds.), *Proceedings of the 36th Annual Meeting of the Cognitive Science Society*. Curran Associates.

## Presentations

**Zaharchuk, H. A.** (2015). Does linguistic experience change mental representations of pitch? Poster session presented at the University of Chicago Undergraduate Research Symposium, Chicago, Illinois.

**Zaharchuk, H. A.**, Shevlin, A., & Van Hell, J. G. (2020). We "might could" revisit syntactic processing: Studying dialectal variation with event-related potentials. Poster session to be presented at the 27th Annual Meeting of the Cognitive Neuroscience Society, Boston, Massachusetts.

**Zaharchuk, H. A.**, Shevlin, A., & Van Hell, J. G. (2019). Auditory comprehension of double versus single modal constructions in Mainstream American English listeners. Poster session presented at the 60th Annual Meeting of the Psychonomic Society, Montréal, Québec, Canada.

## Research experience

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### Bilingualism and Language Development Lab

University Park, Pennsylvania

GRADUATE STUDENT

Aug 2018 - present

- Principal investigator: Dr. Janet G. van Hell
- Research areas: language processing and dialectal variation
- Responsibilities: design, implement, and run EEG and behavioral experiments with E-Prime; process and analyze experimental data with R and MATLAB; mentor undergraduate research assistants; maintain lab equipment and supplies

### Experience and Cognition Lab

Chicago, Illinois

UNDERGRADUATE RESEARCH ASSISTANT

Sep 2013 - Jun 2015

- Principal investigator: Dr. Daniel Casasanto
- Research areas: embodied cognition and linguistic relativity
- Responsibilities: train, run, and debrief participants; code and analyze experimental data with ELAN and R; create new experiments with Python

## Professional experience

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### Consumer Financial Protection Bureau

Washington, District of Columbia

FINANCIAL ANALYST

Jul 2017 - Jul 2018

- Collaborated with the Consumer Education and Engagement Division to write a spotlight report on language access for limited English proficient consumers as a member of the Language Access Task Force
- Researched debt collection and debt relief, particularly in the credit card and student loan markets, for the Consumer Lending, Reporting, and Collections Markets team

### Consumer Financial Protection Bureau

Washington, District of Columbia

DIRECTOR'S FINANCIAL ANALYST

Jul 2015 - Jul 2017

- Supported the policy and research teams in the Office of Fair Lending and Equal Opportunity
- Performed business analytics, tracking, and reporting in the Supervision, Enforcement, and Fair Lending Front Office

### Research Development Support (formerly Arete)

Chicago, Illinois

PROGRAM AND OPERATIONS ASSISTANT

Feb 2013 - Jun 2015

- Partnered with The University of Chicago research administration support faculty members pursuing complex research initiatives
- Provided program analysis, strategic planning, business metrics, and event support

## Teaching experience

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### Basic Research Methods in Psychology

The Pennsylvania State University

TEACHING ASSISTANT

Aug 2020 - Dec 2020

- Instructor: Dr. Nicholas Pearson
- Introduction to experimental design, analysis, and presentation
- Led weekly laboratory section to reinforce lecture concepts

### What makes us human?

The Pennsylvania State University

TEACHING ASSISTANT

Jan 2020 - May 2020

- Instructor: Dr. Daniel Weiss
- Senior seminar in comparative psychology

### Neurological bases of human behavior

The Pennsylvania State University

TEACHING ASSISTANT

Aug 2019 - Dec 2019

- Instructor: Dr. Stephen Wilson
- Introduction to neuroscience theories and methods
- Presented guest lecture on auditory system and neuroanatomy of language production and comprehension

## Outreach

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### Bilingualism and Language Development Lab

University Park, Pennsylvania

THE BRAIN BUS COORDINATOR

Aug 2018 - present

- Maintain *The Brain Bus*, BiLD's mobile neuroscience lab for field research and language science public engagement
- Participate in community outreach events, including as a volunteer judge at the Young Scholars of Western PA science fair

## Center for Language Science

GRADUATE ASSISTANT

University Park, Pennsylvania

Aug 2019 - Dec 2019

- Managed the Center's social media presence to engage the wider regional community in language science research
- Created and solicited content for the Winter/Spring 2020 Bilingualism Matters newsletter

## Community service

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### Next Step Public Charter School

Washington, District of Columbia

MATHEMATICS TUTOR

Jan 2017 - Jul 2018

- Volunteered as a mathematics tutor with the bilingual GED and ESL program for immigrant and other at-risk youth
- Provided one-on-one assistance with practice problems and assignments once per week for 1-2 hours

### Community Tax Aid

Washington, District of Columbia

VOLUNTEER TAX PREPARER

Jan 2016 - Apr 2018

- Volunteered as an IRS-certified advanced volunteer tax preparer with the Volunteer Income Tax Assistance (VITA) program, which offers free tax help to individuals who make \$54,000 or less, individuals with disabilities, and limited English speaking individuals who need assistance in preparing their own tax returns
- Provided tax preparation services once per week for 3-4 hours during tax season

## Skills

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Programming: R, MATLAB, Python,  $\text{\LaTeX}$ , SQL, E-Prime, Praat, ELAN

Languages: English (native proficiency), Spanish (intermediate proficiency)

## Affiliations

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- Center for Language Science
- Cognitive Neuroscience Society
- Psychonomic Society
- Women in Cognitive Science