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University of Pittsburgh | Learning Research & Development Center  
3420 Forbes Ave, Pittsburgh, PA 15260  
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## Education

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| 2021 - Present | <b>University of Pittsburgh</b> , Pittsburgh, PA<br>Cognitive Psychology PhD Program<br>Quantitative Certificate  |
| 2018 - 2021    | <b>University of Pittsburgh</b> , Pittsburgh, PA<br>M.S. Cognitive Psychology   |
| 2012 - 2016    | <b>Westminster College</b> , Salt Lake City, Utah<br>B.S. Psychology, Brain & Behavior emphasis<br>Applied Mathematics Minor<br>Honors Program<br>Cum Laude |

## Research Experience

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| 2018 - Present | <i>Graduate Student Researcher</i><br>University of Pittsburgh MAPLE Lab<br>Supervisor: Scott Fraundorf, PhD  |
| 2016 - 2018    | <i>Research Associate</i><br>University of Utah Center for Driving Safety & Technology (CDST)<br>Supervisors: David Strayer, PhD and Joel Cooper, PhD |
| 2015 - 2016    | <i>Student Statistics Consultant</i><br>Westminster Quantitative Analysis and Research Co-op (QUARC)<br>Supervisors: Sean Raleigh, PhD                |
| 2013 - 2016    | <i>Lab Manager and Research Assistant</i><br>Westminster Interdisciplinary Neuroscience Lab<br>Supervisors: Lesa Ellis, PhD and Russell Costa, PhD    |

## Research Fellowships

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| 2020-25 | NSF Graduate Research Fellowship               |
| 2015    | Gore Summer Research Grant—Westminster College |
| 2014    | Gore Summer Research Grant—Westminster College |

## Peer-Reviewed Publications and Proceedings

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- Getty, D.J.** & Fraundorf, S.H. (In Prep). Can self-pacing tasks measure structural priming in language comprehension? An exploratory and confirmatory study.
- Getty, D.J.**, Warren, T. Fraundorf, S.H. (In Prep). How Do Comprehenders Understand Anomalous Sentences?

- Getty, D.J.**, Fraundorf, S.H. (2022, Preprint). Non-literal Syntactic Representations are Driven by Predictive Processing: Evidence from Meta-Analysis and Speaker Accent. *PsyArXiv*.
- Constantine, R., **Getty, D.J.**, Fraundorf, S.H. (2022). Syntactic Adaptation to Native versus Non-native Speech.
- Strayer, D. L., Cooper, J. M., Goethe, R. M., McCarty, M. M., **Getty, D. J.**, & Biondi, F. (2019). Assessing the Visual and Cognitive Demands of In-Vehicle Infotainment Systems. *Cognitive Research: Principles and Implications*.
- Strayer, D. L., Cooper, J. M., Goethe, R. M., McCarty, M. M., **Getty, D. J.**, Wheatley, C.L., Motzkus, C.M., Goethe, R.M., Biondi, F., & Horrey, W.J. (2019). Visual and Cognitive Demands of CarPlay, Android Auto, and Five Native Infotainment Systems. *Human Factors*, 0018720819836575.
- Biondi, F. N., **Getty, D.J.**, Cooper, J. M., & Strayer, D. L. (2019). Examining the effect of infotainment auditory-vocal systems' design components on workload and usability. *Transportation Research Part F: Traffic Psychology and Behaviour*, 62, 520-528.
- Motzkus, C. J., **Getty, D. J.**, Campos, A., Cooper, J. M., & Strayer, D. L. (2018, September). Utilizing a Remote LED Stimulus to Concurrently Measure Cognitive and Visual Task Demand. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (Vol. 62, No. 1, pp. 1-5). Sage CA: Los Angeles, CA: SAGE Publications.
- Getty, D.J.**, Biondi, F., Morgan, S. D., Cooper, J. M., & Strayer, D. L. (2018). The Effects of Voice System Design Components on Driver Workload. *Transportation Research Record*, 2672(37), 94-100.
- Biondi, F., **Getty, D.J.**, McCarty, M., Goethe, R., Cooper, J. M., & Strayer, D. L. (2018). The Challenge of ADAS Assessment: A Scale for the Assessment of the HMI of Advanced Driver Assistance Technology. *Transportation Research Record Journal of the Transportation Research Board*, 1-38.
- Knaeble, B., Chan, J., Costa, R., McLean, K., **Getty, D. J.**, Rampeear, R. (2017). Student's t Test and Scientific Reproducibility. *The Journal of the Utah Academy of Arts, Sciences, and Letters*, 93, 37-53.

### Book Chapters

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- Strayer, D. L., **Getty, D. J.**, Biondi, F., & Cooper, J. S. (2020). The Multitasking Motorist and the Attention Economy. In S. M. Lane and P. Atchley (Eds). *Human Capacity in the Attention Economy*. APA Press.

### Technical Reports

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- Strayer, D. L., Cooper, J. M., McCarty, M. M., **Getty, D. J.**, Wheatley, C. L., Campos, A., Motzkus, C., McKenzie, K., Loveless, S. M., Esplin, J., & Goethe, R. M. (2018). Visual and Cognitive Demands of Using Apple's CarPlay, Google's Android Auto, and Five Different OEM infotainment systems. *Washington, DC: AAA Foundation for Traffic Safety*.
- Strayer, D. L., Cooper, J. M., Goethe, R. M., McCarty, M. M., **Getty, D. J.**, & Biondi, F. (2017). Visual and Cognitive Demands of Using In-Vehicle Infotainment Systems. *Washington, DC: AAA Foundation for Traffic Safety*.

## Conference Talks

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- Getty, D.J.**, Fraundorf, S.H. (2022). Using Visual Context to Test the Prediction Account of Non-literal Structural Representation. Presented at the *Psychonomics 2022 Annual Meeting*, Boston, MA
- Biondi, F., **Getty, D.**, Goethe, R. M., McCarty, M. M., Cooper, J. M., Strayer, D. L. (2018, January). The Challenge of ADAS Assessment: A Scale for the Assessment of the HMI of Advanced Driver Assistance Technology. Presented at the *Transportation Review Board 2018* annual meeting, Washington, D.C.
- Getty, D.** (2015, September). Cognitive Style and Information Recoding. In B. Kleba, B. Avery, R. Hyde (Coordinators) *Westminster Summer Undergraduate Research Symposium*. Talk conducted from Westminster College, Salt Lake City, UT.
- Getty, D.** (2014, October). Cognitive Style and Information Recoding. In T. Dolan (Coordinator) *Westminster Summer Undergraduate Research Symposium*. Talk conducted from Westminster College, Salt Lake City, UT.

## Poster Presentations

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- Getty, D. J.** & Fraundorf, S. H. (2022, March). Plausibility and Speaker Identity Can Activate Alternate Syntactic Representations. Presented virtually at the *Human Sentence Processing 2022 Annual Meeting*, Pittsburgh, PA.
- Getty, D. J.** & Fraundorf, S. H. (2022, March). Dynamics of Context-Specific Syntactic Adaptation. Presented virtually at the *Human Sentence Processing 2022 Annual Meeting*, Santa Cruz, CA.
- Getty, D. J.** & Fraundorf, S. H. (2021, November). Do Listeners Care About the Speaker or the Input? Evidence from Structural Priming. Presented virtually at the *Virtual Psychonomics 2021 Annual Meeting*, Pittsburgh, PA.
- Getty, D. J.** & Fraundorf, S. H. (2021, March). Structural priming in the comprehension of Non-native speech. Presented virtually at the *CUNY 2021 Annual Meeting*, Pittsburgh, PA.
- Getty, D. J.** & Fraundorf, S. H. (2020, November). Self-pacing tasks are not sensitive to trial-to-trial priming. Presented at the *Virtual Psychonomics 2020 Annual Meeting*, Pittsburgh, PA.
- Getty, D. J.** & Fraundorf, S. H. (2020, March). Can self-pacing tasks measure structural priming in language comprehension? An exploratory and confirmatory study. Presented at the *University of Pittsburgh Graduate Student Expo*, Pittsburgh, PA. (Cancelled due to COVID-19).
- Getty, D. J.**, Constantine, R., Fraundorf, S. H. (2019, March). Syntactic Adaptation to Native but not Non-Native Speech: Influence of Intelligibility on Priming. Presented at the *University of Pittsburgh Graduate Student Expo*, Pittsburgh, PA.
- Motzkus, C. J., **Getty, D. J.**, Campos, A., Cooper, J. M., & Strayer, D. L. (2018, October). Utilizing a Remote LED Stimulus to Concurrently Measure Cognitive and Visual Task Demand. Presented at the *Human Factors and Ergonomics Society Annual Meeting*, Philadelphia, PA.
- Getty, D.**, Biondi, F., Morgan, S. D., Cooper, J. M., Strayer, D. L. (2018, January). The Effects of Voice System Design Components on Driver Workload. Presented at the *Transportation Review Board 2018* annual meeting, Washington, D.C.

Chan, J., Knaeble, B., Costa, R., McLean, K., **Getty, D.**, Rampeearae, R. (2016, March). Student's *t* Test and Scientific Reproducibility. Presented at the *Utah Academy of Arts, Sciences, and Letters* annual meeting, Salt Lake City, UT.

Ellis, L. K., Cohen, B., Nu, C.S., Zweifel, H., **Getty, D.**, & Costa, R.E. (2015, March). Enhanced Neural Processing of Emotional Stimuli in Late Adolescence vs. Adulthood. Presented at the *Cognitive Neuroscience Society* annual meeting, San Francisco, CA.

Nu, C. S., **Getty, D.**, *et al.* (2014, April). The Influence of Natural and Urban Environments on Attentional Processing of Emotional Stimuli. Presented at the *Rocky Mountain Psychological Association* annual meeting, Salt Lake City, UT.

Alves, J., **Getty, D.**, *et al.* (2014, April). The effects of chronic sleep deprivation on attentional and emotional processing. Presented at the *Rocky Mountain Psychological Association* annual meeting, Salt Lake City, UT.

### Other Talks & Presentations

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**Getty, D.J.** (2022, November). Using Visual Context to Test the Prediction Account of Non-literal Structural Representation. Presented at the *University of Pittsburgh Cognitive Psychology Brown Bag*, Pittsburgh, PA.

**Getty, D.J.** (2022, March). Plausibility and Speaker Identity Can Activate Alternate Syntactic Representations. Presented at the *University of Pittsburgh Cognitive Psychology Brown Bag*, Pittsburgh, PA.

**Getty, D.J.** (2020, February). Structural priming in the comprehension of non-native speech. Presented at the *University of Pittsburgh Cognitive Psychology Brown Bag*, Pittsburgh, PA.

**Getty, D.J.** (2019, April). Syntactic adaptation to native and non-native speech. Presented at the *University of Pittsburgh Cognitive Psychology Brown Bag*, Pittsburgh, PA.

McCarty, M.M., **Getty, D.J.** (2017, October). Distraction potential of in-vehicle information systems. Presented at the *University of Utah Department of Psychology Brown Bag*, Salt Lake City, UT.

### Invited Guest Lectures

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University of Pittsburgh		
Spring 2020	ANOVA	Intro to the Tidyverse in R
Spring 2019	Speech Perception	Sensation & Perception
Fall 2018	Attention and Consciousness	Intro to Psychology

### Teaching Experience

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University of Pittsburgh		
Spring 2023	ANOVA	<i>Teaching Assistant</i>
Fall 2022	Regression	<i>Teaching Fellow</i>
Spring 2020	ANOVA	<i>Teaching Assistant</i>
Fall 2019	Research Methods Lab	<i>Teaching Fellow</i>
Spring 2019	Learning & Motivation Lab	<i>Instructor</i>
	Sensation & Perception	<i>Teaching Assistant</i>
Fall 2018	Intro to Psychology	<i>Teaching Assistant</i>

<b>Westminster College</b>		
2015	Elementary Statistics	<i>Teaching Assistant</i>
2014 – 2015	Intro to Psychology	<i>Teaching Assistant</i>
2014 – 2016	Intro to Brain and Behavior	<i>Tutor</i>
	Intro to Psychology	<i>Tutor</i>

## Mentoring

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### *Undergraduate Research Assistants*

Isabel Martin	Summer 2022
Dalia Maeroff	Spring 2022-present
Lydia Boyer	Fall 2020-present
Rishika Dhanda	Fall
Nishant Purewal	Spring 2021-Spring 2022
Zehan Ge	Summer 2020-Fall 2020
Melody Jin	Fall 2019-Fall 2020
Suzy Wan	Fall 2019-Spring 2020
Dongxiao Li	Spring 2019-Fall 2019
Chu Jiang	Spring 2019-Summer 2019
Angela Tanygin	Fall 2018-Spring 2020

## Awards and Scholarships

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2021	University of Pittsburgh Summer Language Institute Scholarship
2016	Research Honors, Meldrum Science Center—Westminster College
2016	Psychology Outstanding Graduate Award—Westminster College

## Journal Reviewing

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2020-present *Journal of Experimental Psychology: Learning, Memory & Cognition*

## Service, Volunteering, and Committee Work

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	<b>Bluebonnet Data</b>
2021	Political Data Fellow
	<b>University of Pittsburgh</b>
2019 – 2020	Cognitive Program Student Representative Reading & Language Group Organizer Psychology Department Peer Mentoring Program
2019	Diversity Committee, Undergraduate Efforts Subcommittee <i>Projects: Scholarship Bank</i>

## Technical Skills

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**Software:** R [*dplyr, ggplot2, brms, lme4, tidymodels, rvest, rstanarm, Shiny, RMarkdown*], Python [*sklearn, numpy, PsychoPy*], Matlab, Git, GitHub, Jupyter Notebook

Other skills: Multilevel linear modeling, null hypothesis significance testing, Bayesian data analysis, experimental design, web-scraping, machine learning for data labeling

### **Professional Memberships**

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2020	Association for Psychological Science (APS)
2020	Cognitive Science Society (CSS)
2020	Psychonomics Society

Updated Nov 23rd, 2022