

**EDUCATION**

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**Ph.D. Candidate: Cognitive Psychology** 2022**Master of Science** 2020

University of Pittsburgh, Pittsburgh, PA

Department of Psychology, Learning Research &amp; Development Center, and Center for Neural Basis of Cognition

Advisor: Scott Fraundorf, Ph.D.

**Master of Fine Arts: Creative Writing - Fiction** 2007

Florida Atlantic University, Boca Raton, FL

Fiction editor for *Coastlines* literary magazine**Bachelor of Arts: Psychology** 2003

Indiana University, Bloomington, IN

Minor Anthropology

Study Abroad: Wollongong University, Australia

**PROFESSIONAL POSITIONS**

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**Graduate Teaching Assistant** 2020 to 2021**Graduate Student Researcher** 2017 to 2020

Learning Research and Development Center – University of Pittsburgh

Advisors: Scott Fraundorf, Ph.D, Byeong-Young Cho, Ph.D, Dawna Duff, Ph.D

**Research Assistant** 2015 to 2017

Cognitive Language and Neuroscience Lab -- Brooklyn College

Advisor: Natalie Kacinik, Ph.D.

**Instructor of Developmental Reading/Writing** 2013 to 2017

Kingsborough Community College -- CUNY Start – Brooklyn, NY

- Used student centered teaching strategies to develop the reading and writing skills of students enrolled in but not academically ready for college course work

**Copy Writer and Web Manager** 2011 to 2013

Hides in Shape -- New York City, NY

- Developed and maintained web content for small retail chain

**Adjunct Lecturer** 2009 to 2011

Queensborough Community College -- English Department - Queens, NY

**Graduate Teaching Assistant** 2007 to 2008

Florida Atlantic University -- English Department - Boca Raton, FL

- Composition levels 1 and 2 (~30 students per class) for both institutions

Broad	Reading, psycholinguistics, memory, metacognition
Specific	Text cohesion and integration across sentence boundaries among skilled and less-skilled readers using eye tracking and measures of memory and comprehension.

**TEACHING**

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Undergraduate Courses

Research methods (Graduate TA), Psychological Aspects of Human Sexuality (Graduate TA), Freshman composition levels 1 and 2 and developmental adult literacy skills.

Graduate Courses

Statistical Analysis II (Graduate TA)

Faculty Workshops Led

(2017, April). Provided teachers with practical resources for anticipating and addressing student challenges with forming connections between clauses joined by connectives.

(2015, April). Led a conversation among teachers about how their own writing deviates from way they teach their students and how they can help students develop their own styles while simultaneously teaching them the basics.

(2014, Oct). Discussed the relationship between student boredom and classroom management issues and how to address boredom before it becomes a problem.

(2014, May). Provided teachers with strategies for minimizing the executive function loads and supporting students with disabilities.

**PUBLICATIONS**

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Norberg, K. A., Han, H., Young, B-Y., Fraundorf, S. H. (2020). (under review). Getting there is half the journey: A machine learning analysis of internet navigation behaviors in high-school digital literacy.

Norberg, K. A., Fraundorf, S. H. (2020). (under review). Memory benefits from contrastive Focus truly require focus: Evidence from clefts and connectives.

Han, H., Norberg, K. A., Fraundorf, S. H., Cho, B-Y. (2020). (under review). What makes skilled readers in print reading become more and less successful in an online setting?

Duff, D., Kohut, K., Norberg, K. A. (2020). (in preparation). Short Sentences and Simple Words Aren't Enough: The Importance of Cohesion in Patient Education Materials.

Norberg, K. A., Perfetti, C., Helder, A. (2020). (in preparation). Making an Antecedent More Accessible in Memory: A Role for Global Context.

Norberg, K. A., Fraundorf, S. H. (2020). (in preparation). Under the influence of connectives: Causal connectives and clause order interact to influence processing and retention of text.

Cho, B-Y., Norberg, K. A., Han, H., Fraundorf, S. H. (2020). (in preparation). Can metacognitive navigation help learning from web sources? A path-model study of adolescents' reading in an online text environment.

Fraundorf, S.H., Han, H., Norberg, K. A., Young, B-Y., (2020). (in preparation). Experimental study of metacognitive knowledge intervention for high school students.

## **PEER REVIEWED CONFERENCE PRESENTATIONS**

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Han, H., Norberg, K., Cho, B. & Fraundorf, S. H. (2020, Apr 17 - 21) *What Makes Skilled Readers in Print Reading Become More and Less Successful in an Online Setting?* [Paper Session]. AERA Annual Meeting San Francisco, CA <http://tinyurl.com/suqago8> (Conference Canceled)

Cho, B.-Y., Fraundorf, S.H., Norberg, K.A, Han, H. (2019, December) Can metacognitive knowledge support adolescents' critical questioning in an internet reading task? Paper presented at Literary Research Association, Tampa, FL.

Norberg, K. A., Han, H., Young, B-Y., Fraundorf, S. H. (2019, July). Can online search strategies predict learning from internet sources? A Correlational Analysis. Paper presented at the Society for Text and Discourse, New York, NY. – **recipient of Outstanding Student Paper Award.**

Cho, B-Y., Fraundorf, S.H., Norberg, K. A., Han, H. (2019, July) An experimental study of metacognitively-oriented digital reading interventions. Paper presented at the Society for the Scientific Study of Reading, Toronto, ON.

## **OTHER SPOKEN PRESENTATIONS**

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Norberg, K. A., Duff, D. (2020, Oct.) *Constructing Health Texts to Inform Low Literacy Populations: The Importance of Measuring Cohesion.* Paper presented at University of Pittsburgh Chapter of the Psi Chi International Honor Society, Pittsburgh, PA.

Norberg, K. A., Duff, D. (2020, Sept.) *Cohesion Increases the "Grade Level" of a Health Text But Improved Comprehension.* Paper presented at Psychology Cognitive Brown Bag, University of Pittsburgh, Pittsburgh, PA.

Norberg, K. A., Fraundorf, S. H. (2020, Jan.). *Adaptive reading in response to connective location and clause order.* Paper presented at Psychology Cognitive Brown Bag, University of Pittsburgh, Pittsburgh, PA.

Norberg, K. A., Fraundorf, S. (2019, Sept.). *Under the influence of connectives: Connective location and clause order influence online processing and retention of text.* Paper presented at Reading and Language Group, University of Pittsburgh.

Norberg, K. A., Fraundorf, S. H. (2019, March). *Under the influence of connectives: How connective location and clause order interact to influence retention of text.* Paper presented at Psychology Cognitive Brown Bag, University of Pittsburgh, Pittsburgh, PA.

4

Norberg, K. A., Fraundorf, S. H. (2018, April). *What should I remember?: Clefts and connectives affect later text memory.* Paper presented at Psychology Cognitive Brown Bag, University of Pittsburgh, Pittsburgh, PA.

## **POSTER PRESENTATIONS**

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Norberg, K. A., Fraundorf, S. H. (2020, March). *Adaptive reading in response to connective location and clause order.* Poster accepted at the 33rd Annual CUNY Conference on Human Sentence Processing, Amherst, MA. <https://blogs.umass.edu/cuny2020/>

Norberg, K. A., Fraundorf, S. H. (2019, Nov). *Under the Influence of Connectives: How Connective Presence and Clause Order Affect Retention of Text.* Poster presented at the 60<sup>th</sup> Annual Meeting Psychonomics, Montréal, CA.

Norberg, K. A., Fraundorf, S. H. (2019, March). *Under the Influence of Connectives: How connective location and clause order affect retention of text.* Poster presented at the University of Pittsburgh Grad Expo, Pittsburgh, PA.

Norberg, K. A., Fraundorf, S. H. (2018, November). *What should I remember?: Clefts and connectives affect later text memory.* Poster presented at the 59<sup>th</sup> Annual Meeting Psychonomics Society, New Orleans, LA.

Norberg, K. A., Fraundorf, S. H. (2018, June). *What should I remember?: Clefts and connectives affect later text memory.* Poster presented at the 6<sup>th</sup> International Workshop on Advance Learning Sciences, Pittsburgh, PA.

Norberg, K. A., Fraundorf, S. H. (2018, March). *Adversative connectives' effect on recognition memory.* Poster presented at the University of Pittsburgh Grad Expo, Pittsburgh, PA. – **recipient of Outstanding Presenter Award**

Kacinik, N. A., Norberg, K. A., Choudhary, M., Scotto, M. (2017, Nov). *Examining the invariance of word processing: Do manipulations of size affect size judgments.* Poster presented at the Psychonomic Society 58<sup>th</sup> Annual Meeting, Vancouver, British Columbia, Canada.

Kacinik, N. A., Norberg, K. A. (2017, March). *Cerebral asymmetries in metaphor comprehension: Examining the influence of task.* Poster presented at the 24<sup>th</sup> Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.

Kacinik, N. A., Norberg, K. A., Klein, E., Feintuch, M., Goldberg, A., & Samouha, L. (2016, March). *Small elephants and big needles: Perceptual information does not generally affect the processing of words.* Poster presented at the 121<sup>st</sup> Annual Convention of the Eastern Psychological Association, New York City, NY.

## **INSTITUTIONAL SERVICE**

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- Head of University of Pittsburgh Department of Psychology LGBTQIA+ Community Group
- Graduate student representative for University of Pittsburgh Department of Psychology

COVID response team (2020)

- Graduate student council representative for the Learning Research & Development Center at the University of Pittsburgh (2019-2020)
- Development and maintenance of the University of Pittsburgh Psychology Department Equity and Inclusion website: <https://psychology.pitt.edu/equity-and-inclusion>
- Graduate student representative for the University of Pittsburgh, Kenneth P. Dietrich School of Arts and Sciences Planning and Budget Committee (2018-2019).
- Biweekly talk series coordinator for the Reading and Language Group at LRDC (2018-2019).
- Ad hoc co-reviewer with Scott Fraundorf: *Cognition, Discourse Processes*
- Ad hoc reviewer: *Journal of Experimental Psychology: Learning, Memory, and Cognition*

## **TECHNICAL and STATISTICAL EXPERIENCE**

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- R, Python, EyeLink, HTML and CSS.
- Data visualization: R, Excel
- Linear and Generalized Linear Models, Random Forests, Bayesian Analysis and Bayes Factors
- Graduate statistical courses: Machine Learning, Data Science, Parallel Distributed Processing, Mixed Effects Modelling, Statistical Analysis 2: Applied Regression, Statistical Analysis 1: ANOVA