# LAUREN OEY

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loey@u.rochester.edu
(862) 223-9228
loey18
https://loey18.github.io/

## EDUCATION

**University of California, San Diego**
**Ph.D.** in **Cognitive Psychology** *Expected 2018-Present*
   Advisor: Ed Vul

**University of Rochester**
(1) **B.S.** in **Brain and Cognitive Sciences**, Highest Distinction & Honors in Research   *2014-2018*
(2) **B.A.** in **Linguistics**, High Distinction
(3) **B.A.** in **Statistics**, Distinction
(4) **Minor** in **Computer Science**
   *Magna cum laude* (GPA: 3.85)
   Advisors: Florian Jaeger, Steven Piantadosi

## RESEARCH EXPERIENCES

**Gradient Similarity Within Compositional Representations**, University of Rochester
*Undergraduate Honors Thesis* *2017-2018*
      Principal Investigator: Steven Piantadosi

**Accent-Independent Adaptation to Foreign Accented Speech**, University of Rochester
*Independent Research Project* *2016-2017*
      Principal Investigator: Florian Jaeger

**Human Language Processing Lab**, University of Rochester
*Undergraduate Research Assistant* *2015-2018*
      Principal Investigator: Florian Jaeger

**CSLI Summer Internship Program**, Stanford University
*Summer Research Intern* *Summer 2017*
      Principal Investigator: Noah Goodman

**SEEDLingS Project, Rochester Baby Lab**, University of Rochester
*Undergraduate Research Assistant* *Summer 2016*
      Principal Investigator: Elika Bergelson

## PUBLICATIONS

**Oey, L. A.**, Mollica, F., & Piantadosi, S. T. (in press). Adults use gradient similarity information in compositional rules. *Proceedings of the 40$^{th}$ Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

Lee, C., **Oey, L**., Simon, E., Xie, X., & Jaeger, T. F. (in press). How we comprehend foreign-accented speech: Learning to generalize across talkers. *University of Rochester's Journal of Undergraduate Research*.

## POSTERS & PRESENTATIONS

**Oey, L. A.**, Mollica, F., & Piantadosi, S. T. (2018). Adults use gradient similarity information in compositional rules. Talk to be presented at the 40th Annual Conference of the Cognitive Science Society, Madison, WI.

**Oey, L. A.**, Mollica, F., & Piantadosi, S. T. (2018). Concepts are like rules but gradient: Preserving gradience in a logical model of mental representation. Talk presented at the University of Rochester 2018 Undergraduate Research Exposition, Rochester, NY.

**Oey, L. A.**, Mollica, F., & Piantadosi, S. T. (2018). Like a horse but striped: Combining similarity and rules in conceptual representation. Talk presented at the 32nd Annual National Conference on Undergraduate Research, Oklahoma City, OK.

**Oey, L**., Lee, C., Simon, E., Xie, X., & Jaeger, T. F. (2017). Talker generalization of accent adaptation: Questioning its robustness. Poster presented at the 23rd Annual Architectures and Mechanisms of Language Processing Conference, Lancaster, UK.

Lee, C., **Oey, L**., Simon, E., Xie, X., & Jaeger, T. F. (2017). An investigation into audio perception studies on Amazon Mechanical Turk. Poster presented at the 23rd Annual Architectures and Mechanisms of Language Processing Conference, Lancaster, UK.

**Oey, L**., Schulman, A., Tessler, M. H., & Goodman, N. D. (2017). Communicating Generalizations in Web-Based Dyadic Games. Talk presented at the conclusion of the 4th Annual Center for the Study of Language and Information Summer Internship Program, Stanford, CA.

Lee, C., **Oey, L.**, Simon, E., Xie, X., & Jaeger, T. F. (2017). How we comprehend foreign-accented speech: Learning to generalize across talkers. Poster presented at the University of Rochester 2017 Undergraduate Research Exposition, Rochester, NY.

**Oey, L**., Lee, C., Simon, E., Xie, X., & Jaeger, T. F. (2017). Generalized adaptation to novel foreign accents. Poster accepted at the 31st Annual National Conference on Undergraduate Research, Memphis, TN.

## WORKSHOPS

**Summer Workshop in Cognitive and Brain Sciences**                    **Newark, DE**
*Workshop Participant, University of Delaware*                           *June 2017*

## TEACHING EXPERIENCES

**Guest Lecturer**, *Data Science for Linguistics, tidyverse Tutorial*          *Spring 2018*
Department of Linguistics, University of Rochester

**Teaching Assistant**, *Data Science for Linguistics*  Spring 2018
Department of Linguistics, University of Rochester

**Teaching Assistant**, *Elements of Probability and Mathematical Statistics*  Fall 2017
Department of Statistics, University of Rochester

**Peer Leader**, *Introduction to Language Sound Systems*  Fall 2017
Department of Linguistics, University of Rochester

**Lab Teaching Assistant**, *Data Structures and Algorithms*  Spring 2017
Department of Computer Science, University of Rochester

**Teaching Assistant**, *Applied Statistics for the Biological and Physical Sciences I*  Fall 2017
Department of Statistics, University of Rochester

**Teaching Assistant**, *Applied Statistics for the Biological and Physical Sciences I*  Spring 2016
Department of Statistics, University of Rochester

## HONORS & AWARDS

**NSF Graduate Research Fellowship**  *2018-Present*

**Norman Henry Anderson Graduate Fellowship**, UCSD  *2018-Present*

**Competitive EDGE Fellowship**, UCSD  *2018*

**Phi Beta Kappa**  *2018*

**President's Award**, University of Rochester  *2018*
*1ˢᵗ Place Talk, Undergraduate Research Exposition Symposium (Social Sciences)*

**Conference Travel Funding Award (x2)**, University of Rochester  *2017, 2018*

**Dean's List (x8)**, University of Rochester  *2014-2018*

**Meliora Alumni Scholarship**, University of Rochester  *2014-2018*

## LEADERSHIP & COMMUNITY ACTIVITES

**Kindlings Reading Group**, *Co-Founder/Organizer*  *2017-2018*

**BCS & Neuroscience Undergraduate Council**, *BCS Mentor*  *2017-2018*

**UR Brain Awareness Fundraiser**, *Volunteer*  *2017*

**Linguistics Undergraduate Council Research Panel**, *Panelist*  *2017*

**Academic & Student Services Fair**, *BCS Student Representative*  *2017*

**Club Softball, Women's Rugby, Pride Network**, *Business Manager*  *2015-2018*

# HIGHLIGHTED COURSEWORK

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| **Intermediate Statistical & Computational Methods**, *CSC/DSC 265* | *Spring 2018* |
| **Introduction to Pragmatics**, *LIN 266* | *Spring 2018* |
| **Computer Models of Human Perception & Cognition**, *BCS/CSC 229* | *Fall 2017* |
| **Computing, Introduction to Statistical Software**, *STT 477 (Graduate Level)* | *Fall 2017* |
| **Advanced Undergraduate Research in Cognitive Science**, *BCS 207* | *Spring 2017* |
| **Data Science for Linguistics**, *LIN/CSC 250* | *Spring 2017* |
| **Artificial Intelligence**, *CSC 242/BCS 232* | *Spring 2017* |
| **Language Development**, *BCS 258/LIN 208* | *Spring 2017* |
| **Introduction to Linear Models**, *STT 226W* | *Spring 2017* |
| **Applied Statistics II**, *STT 216* | *Spring 2016* |
| **Introduction to Mathematical Statistics**, *STT/MTH 203* | *Spring 2016* |
| **Language & Psycholinguistics**, *BCS 152/LIN 217* | *Fall 2015* |

# SKILLS

**Programming Languages:** Java, R, Python, JavaScript, C, MATLAB, Racket, Processing

**Software:** Git, Praat, Audacity, GIMP, Inkscape, CLAN, Datavyu, SAS, JMP

**Other:** EyeLink, Markdown, HTML, CSS, LaTeX, Unix Shell, Mechanical Turk, psiTurk