


# LAUREN OEY

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 loey18

<https://loey18.github.io/>

## EDUCATION

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### University of Rochester

Rochester, NY

(1) *B.S. in Brain and Cognitive Sciences (intended honors in research)* Anticipated May 2018

(2) *B.A. in Linguistics*

(3) *B.A. in Statistics*

(4) *Minor in Computer Science*

**Cumulative GPA:** 3.87, Dean's List (every eligible semester)

**Major GPAs:** Brain & Cognitive Sciences 3.89, Linguistics 4.00, Statistics 3.87

### Mountain Lakes High School

Mountain Lakes, NJ

*High School Diploma with Honors*

June 2014

## RESEARCH EXPERIENCES

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### Learning Concepts with Discrete and Continuous Features

Rochester, NY

*Independent Research Project, Undergraduate Honors Thesis*

September 2017-Present

Principal Investigator: Steven T. Piantadosi

Graduate Student Mentor: Francis Mollica

### Accent-Independent Adaptation to Foreign Accented Speech

Rochester, NY

*Independent Research Project*

September 2016-Present

Principal Investigator: T. Florian Jaeger

Post-Doctorate Mentor: Xin Xie

### Human Language Processing Lab

Rochester, NY

*Undergraduate Research Assistant*

March 2015-Present

Principal Investigator: T. Florian Jaeger

Graduate Student Mentors: Linda Liu, Zachary Burchill

### Stanford University CSLI Summer Internship Program

Stanford, CA

*Summer Research Intern*

June 2017-August 2017

Principal Investigator: Noah D. Goodman

Graduate Student Mentor: M. H. Tessler

### Rochester Baby Lab, SEEDLings Project

Rochester, NY

*Undergraduate Research Assistant*

May 2016-July 2016

Principal Investigator: Erika Bergelson

## PUBLICATIONS

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Lee, C., Oey, L., Simon, E., Xie, X., & Jaeger, T. F. (submitted). Limits in cross-talker generalization of adaptation to foreign-accented speech.

Oey, L. A., Mollica, F., & Piantadosi, S. T. (in prep). Compositionality over rules and similarity.

## POSTERS & PRESENTATIONS

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

Schulman, A., Tessler, M. H., Oey, L., & Goodman, N. D. (2017). Dyadic games: An approach to learning from language. Poster presented at the conclusion of the Stanford University 2017 Symbolic Systems Program (SSP) Summer Internship Program, Stanford, CA.

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 (AMLaP) 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 (AMLaP) 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 (CSLI) 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 (NCUR), Memphis, TN.

## WORKSHOPS

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**Summer Workshop in Cognitive and Brain Sciences**

*Workshop Participant, University of Delaware*

**Newark, DE**

*June 2017*

## TEACHING EXPERIENCES

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**University of Rochester, Department of Linguistics**

*Peer Leader: Introduction to Language Sound Systems*

Instructor: Joyce McDonough, Peter Guekguezian

**Rochester, NY**

*Fall 2017*

*Teaching Assistant: Data Science for Linguistics*

Instructor: Scott Grimm

*Spring 2018*

**University of Rochester, Department of Computer Science**

**Rochester, NY**

*Lab Teaching Assistant: Data Structures and Algorithms* *Spring 2017*  
Instructor: Thaddeus Pawlicki

**University of Rochester, Department of Statistics** **Rochester, NY**  
*Teaching Assistant: Elements of Probability and Mathematical Statistics* *Fall 2017*  
Instructor: Maria McDermott

*Teaching Assistant: Applied Statistics for the Biological and Physical Sciences I* *Fall 2016*  
Instructor: Nicholas Zaino

*Teaching Assistant: Applied Statistics for the Biological and Physical Sciences I* *Spring 2016*  
Instructor: Maria McDermott

## **HONORS & AWARDS**

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**Conference Travel Funding Award (x2)**  
*Office of Undergraduate Research, University of Rochester* *April, September 2017*

**Meliora Alumni Scholarship**  
*Office of Alumni Relations, University of Rochester* *August 2014-Present*

**National AP Scholar Award**  
*The College Board* *July 2014*

**Anthony Davidowski Math Award**  
*Mountain Lakes High School* *June 2014*

**Sarah Browning Award for Creative Writing**  
*Mountain Lakes Women's Club* *June 2014*

**National Merit Commended Scholar**  
*National Merit Scholarship Corporation* *September 2013*

## **LEADERSHIP & COMMUNITY ACTIVITIES**

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

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

**Kindlings Reading Group, Co-Founder/Organizer** *September 2017-Present*

**BCS & Neuroscience Undergraduate Council, BCS Mentor** *September 2017-Present*

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

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

## **HIGHLIGHTED COURSEWORK**

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**Intermediate Statistical & Computational Methods, CSC/DSC 265** *Spring 2018*

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

## SKILLS

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**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

**Languages:** English (native), Mandarin, Spanish, some Esperanto