Lauren A. Oey

Updated July 29, 2020

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Education

University of California, San Diego — **San Diego, CA**
Ph.D. in **Experimental Psychology** — *2023 (Expected)*
M.A. in **Experimental Psychology** — *2020*
Advisor: Edward Vul

DGfS Summer School — **Berlin, Germany**
Experimental Pragmatics: Theory, Methods, Interfaces — *Summer 2019*

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

Fellowships & Awards

Computational Modeling Prize in Applied Cognition, Cognitive Science Society — *2020*

Norman Anderson Travel and Research Fund Award, UCSD — *2019*

William James Prize Honorable Mention, Society for Philosophy and Psychology — *2019*

NSF Graduate Research Fellowship — *2018-2023*

Norman Henry Anderson Graduate Fellowship, UCSD — *2018-2019*

Real World Communication Student Travel Award — *2018*

Competitive EDGE Fellowship, UCSD — *2018*

Phi Beta Kappa — *2018*

President's Award, UofR, Undergrad Research Exposition (Social Sciences) — *2018*

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

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

Publications

Oey, L. A., Schachner, A., & Vul, E. (under review). Designing and detecting lies by reasoning about other agents.

Oey, L.*, DeStefano, I.*, Brockbank, E., & Vul, E. (2020). Formalizing interdisciplinary collaboration in the CogSci community. In S. Denison, M. L. Mack, Y. Xu, & B. C. Armstrong (Eds.), *Proceedings of the 42nd Annual Meeting of the Cognitive Science Society* (pp. 474-480).

Oey, L. A., Schachner, A., & Vul, E. (2019). Designing good deception: Recursive theory of mind in lying and lie detection. In A. K. Goel, C. M. Seifert, & C. Freksa (Eds.), *Proceedings of the 41st Annual Meeting of the Cognitive Science Society* (pp. 897-903). Montreal, QB: Cognitive Science Society.

Oey, L. A., Mollica, F., & Piantadosi, S. T. (2018). Adults use gradient similarity information in compositional rules. In T. T. Rogers, M. Rau, X. Zhu, & C. W. Kalish (Eds.), *Proceedings of the 40th Annual Meeting of the Cognitive Science Society* (pp. 842-847). Austin, TX: Cognitive Science Society.

Lee, C., **Oey, L.**, Simon, E., Xie, X., & Jaeger, T. F. (2018). How we comprehend foreign-accented speech: Learning to generalize across talkers. *Journal of Undergraduate Research*. Rochester, NY: University of Rochester.

Posters & Presentations

Oey, L.*, DeStefano, I.*, Brockbank, E., & Vul, E. (2020, July). Formalizing interdisciplinary collaboration in the CogSci community. Talk presented at the 42nd Annual Meeting of the Cognitive Science Society, Toronto, Ontario, Canada.

Oey, L. A., Schachner, A., & Vul, E. (2019, July). Designing good deception: Recursive theory of mind in lying and lie detection. Talk presented at the 41st Annual Meeting of the Cognitive Science Society, Montreal, Quebec, Canada.

Oey, L. A., Schachner, A., & Vul, E. (2019, July). Recursive theory-of-mind in the design of deception: A rational model of lying and lie detection. Talk presented at the 45th Annual Meeting of the Society for Philosophy and Psychology, San Diego, CA.

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

Oey, L. A., Mollica, F., & Piantadosi, S. T. (2018, April). 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, April). 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, September). 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, September). 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, August). 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, April). 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, April). Generalized adaptation to novel foreign accents. Poster accepted at the 31st Annual National Conference on Undergraduate Research (NCUR), Memphis, TN.

Honors Thesis

Oey, L. A. (2018). Gradient similarity within compositional representations. Undergraduate Honors

Thesis, Department of Brain and Cognitive Sciences, University of Rochester. (Advisor: Steven Piantadosi)

Teaching Experiences

Guest Lecturer, *PSYC 187 Social Cognitive Development* *Winter 2020*
Department of Psychology, University of California, San Diego

Teaching Assistant, *PSYC 105 Cognitive Psychology* *Fall 2019*
Department of Psychology, University of California, San Diego

Guest Lecturer, *PSYC 187 Social Cognitive Development* *Winter 2019*
Department of Psychology, University of California, San Diego

Teaching Assistant, *PSYC 105 Cognitive Psychology* *Winter 2019*
Department of Psychology, University of California, San Diego

Guest Lecturer, *LIN 250 Data Science for Linguistics* *Spring 2018*
Department of Linguistics, University of Rochester

Teaching Assistant, *LIN 250 Data Science for Linguistics* *Spring 2018*
Department of Linguistics, University of Rochester

Teaching Assistant, *STT 213 Elements of Probability and Mathematical Statistics* *Fall 2017*
Department of Statistics, University of Rochester

Peer Leader, *LIN 210 Introduction to Language Sound Systems* *Fall 2017*
Department of Linguistics, University of Rochester

Lab Teaching Assistant, *CSC 172 Data Structures and Algorithms* *Spring 2017*
Department of Computer Science, University of Rochester

Teaching Assistant, *STT 212 Applied Statistics for the Biological and Physical Sciences I* *Fall 2016*
Department of Statistics, University of Rochester

Teaching Assistant, *STT 212 Applied Statistics for the Biological and Physical Sciences I* *Spring 2016*
Department of Statistics, University of Rochester

Workshops

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

Previous Research Experiences

Computation and Language Lab, University of Rochester
Undergraduate Honors Thesis *2017-2018*
Advisors: Steven Piantadosi (Frank Mollica)

Human Language Processing Lab, University of Rochester
Independent Research Project, Undergraduate Research Assistant *2015-2018*
Advisors: Florian Jaeger (Xin Xie, Linda Liu)

CSLI Summer Internship Program, Stanford University
Summer Research Intern *Summer 2017*
Advisors: Noah Goodman (Michael Henry Tessler)

Rochester Baby Lab, SEEDLingS Project, University of Rochester

Undergraduate Research Assistant *Summer 2016*
Advisor: Elika Bergelson

Service

Extramural Funds Officer, *Graduate Officer, UCSD* *2019-2021*

Colloquium Representative, *Graduate Officer, UCSD* *2019-2020*

STARS Program, *Mentor, UCSD* *Summer 2019*

Graduate Talk Series Representative, *Graduate Officer, UCSD* *2019*

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

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

Skills

Programming Languages: R, Python, JavaScript, Java, Processing

Software: Git, Praat

Other: HTML, CSS, LaTeX, Markdown, Unix Shell, Mechanical Turk