

# Sam Cheyette

416 Meliora Hall, University of Rochester  
sjcheyette@gmail.com • +1 (510) 847-1684 • <https://colala.bcs.rochester.edu/people/SamCheyette>

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- EDUCATION**
- University of Rochester**, Rochester, NY
- Doctor of Philosophy (Ph.D.) in Brain & Cognitive Science Aug 2016 – 2021 (Expected)
    - Advisor: Professor Steven Piantadosi
    - Research Interests: Computational modeling, language acquisition, concepts, machine learning.
- Carnegie Mellon University**, Pittsburgh, Pennsylvania
- Bachelor of Science (B.S.) in Cognitive Science Aug 2012 – May 2016
    - Graduated with University Honors.
- PUBLICATIONS**
- Cheyette, S. J., Piantadosi S. T., “Modeling Knowledge transfer in a Language of Thought,” *Proceedings of the 39th Annual Cognitive Science Conference*, Aug 2017.
- Cheyette, S. J., Plaut, D. C., “Modeling the N400 ERP component as transient semantic over-activation within a neural network model of word comprehension,” *Cognition*, May 2017.
- Cheyette, S. J., Konstantidinis, E., Harman, J. L., & Gonzalez, C., “Choice adaptation to increasing and decreasing event probabilities” in *Proceedings of the 38th Annual Cognitive Science Conference*, Aug 2016.
- CONFERENCE TALKS**
- Cheyette, S. J., Piantadosi S. T., “Modeling knowledge transfer in a Language Of Thought”. *39th Annual Cognitive Science Conference*, Aug 2017.
- CONFERENCE POSTERS**
- McCormick, E., Cheyette, S. J., & Gonzalez, C. Human adaptation to gradual probability and outcome change. *Society for Judgment and Decision Making*. Nov 2016.
- ACADEMIC AWARDS & FELLOWSHIPS**
- NSF 1-year Graduate Fellowship on the National Research Training Grant Aug 2016 — Aug 2017
  - University Honors from Carnegie Mellon University Jun 2016
  - Undergraduate Fellowship in Computational Neuroscience, Sep 2014  
Funded by the National Institute of Health  
Yearlong fellowship to do research with Professor David Plaut in the Center for Neural Basis of Cognition at Carnegie Mellon University.
- RESEARCH EXPERIENCE**
- Center for Neural Basis of Cognition**, Carnegie Mellon University
- Research Assistant Jun 2015 – Jun 2016
    - Project: Developed neural network models of N400 and P600 ERP components.
    - Supervisor: Professor David Plaut
  - Computational Neuroscience Fellowship Jun 2014 – Jun 2015
    - Project: Implementing and analyzing artificial neural network models to understand human language processes.
    - Supervisor: Professor David Plaut
- Department of Psychology**, Carnegie Mellon University
- Research Assistant Jan 2013 – Aug 2013
    - Project: Using Bayesian statistics to model human concept learning and relational reasoning.
    - Supervisor: Professor Charles Kemp
- Helen Willis Neuroscience Institute**, University of California, Berkeley
- Summer Internship May 2013 – Aug 2013
    - Project: Studying neural signaling in transgenic zebrafish.
    - Supervisor: Dr. Elizabeth Caroll

**Center for Mind and Brain**, University of California, Davis

- Summer Internship May 2011 – Aug 2011
  - Project Investigating Autism Spectrum Disorder using EEG and behavioral analysis.
  - Supervisor: Dr. Clifford Saron

**TEACHING  
EXPERIENCE**

**85-211, Cognitive Psychology**, Carnegie Mellon University

- Teaching Assistant for Cognitive Psychology Course Jan 2014 – Jun 2015
  - Graded and held office hours for undergraduate psychology class.
  - Class taught by Professors Charles Kemp (2 semesters) and Laurie Heller (1 semester).