

# Sam Cheyette

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- EDUCATION**
- University of California, Berkeley**, Berkeley, CA
- Doctor of Philosophy (Ph.D.) in Psychology 2018 – 2022 (Expected)
    - Advisor: Professor Steven Piantadosi
- University of Rochester**, Rochester, NY
- Doctor of Philosophy (Ph.D.) in Brain & Cognitive Science 2016 – 2018
    - Advisor: Professor Steven Piantadosi
- Carnegie Mellon University**, Pittsburgh, Pennsylvania
- Bachelor of Science (B.S.) in Cognitive Science Aug 2012 – May 2016
    - Graduated with University Honors.

- PAPERS**
- Cheyette, S. J., Piantadosi S. T., “A unified theory of number perception,” *Under review*.
- Ferrigno, S., Cheyette, S. J., Piantadosi S. T., & Cantlon, J., “Recursive sequence generation in monkeys, children, and native Amazonians,” *Under review*.
- Cheyette, S. J., Piantadosi S. T., “A primarily serial, foveal accumulator underlies approximate numerical estimation,” *Proceedings of the National Academy of Sciences.*, Aug 2019.
- 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., “Workshop on Quantity in Language and Thought”. *30th Annual European Summer School on Language Information*, Aug 2018 (Invited).
- Cheyette, S. J., Piantadosi S. T., “Modeling knowledge transfer in a Language Of Thought”. *39th Annual Cognitive Science Conference*, Aug 2017.

- CONFERENCE POSTERS**
- Cheyette, S. J., Piantadosi S. T., “Does number estimation support math abilities? Evaluating the role of education in the Tsimane.”. *41st Annual Cognitive Science Conference*, Jul 2019.
- 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 Graduate Fellowship, National Research Training Grant Aug 2016 — Aug 2018
  - University Honors from Carnegie Mellon University Jun 2016

▪ NIH Undergraduate Fellowship in Computational Neuroscience

Sep 2014

**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**

**COGSCI 131, Computational Models of Cognition**

Jun 2019 – Aug 2018

- Graduate Student Instructor at UC Berkeley

**COGSCI 131, Computational Models of Cognition**

Jan 2019 – May 2018

- Graduate Student Instructor at UC Berkeley

**PSYCH 172, Development of Mind and Brain**

Jan 2018 – May 2018

- Teaching Assistant at University of Rochester (Prof: Celeste Kidd)

**PSYCH 211, Cognitive Psychology**

Jan 2014 – Jun 2015 (3 semesters)

- Teaching Assistant at Carnegie Mellon (Prof: Charles Kemp)