

Suhas Arehalli

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<https://github.com/SArehalli>

Education

2018 - **Ph.D. Cognitive Science**, *Johns Hopkins University*.

Advised by Tal Linzen

Honors Owens Scholar

2014 - 2018 **B.S. Computer Science and B.S. Mathematics**, *University of California, San Diego*,
3.835 GPA.

Honors Regents Scholar

Experience

Sept 2016 - **Undergrad Research Assistant**, *UCSD Language Comprehension Lab*.

- June 2018
- Worked with Eva Wittenberg and conducted a research project investigating the role of noise structure in error correction processes (See Conference Presentations below).
 - Performed data processing and analysis tasks in R and Python
 - Designed, conducted, and managed online and in-lab studies
 - Participated in literature reading groups

May 2015 - **Computer Science Track Track Lead/Outreach Director**, *UCSD SENDforC*.

- June 2018
- Developed and piloted a yearlong Computer Science curriculum as part of a 2-year research-focused program at a local, low-income high school aimed at providing hands-on, applications focused CS education.
 - Helped design and teach a quarter-long Calculus seminar at a local high school designed to introduce students to the format and motivations of higher level mathematics.
 - Developed a quarter-long seminar on how Machine Learning and Statistics have impacted general society, focused on ethical consideration and targeted toward a general audience.

Summer 2016 **Research Intern**, *Center for the Study of Language and Information at Stanford University*.

- Worked with Dan Lassiter and his graduate students to complete an 8-week long research project in linguistics which modeled two competing theories about imprecision in the interpretation of absolute gradable adjectives using webPPL

Feb 2015 - **Undergrad Research Assistant**, *UCSD Computational Psycholinguistics Lab*.

- June 2016
- Performed data processing and analysis tasks in R and Python
 - Designed and managed online studies
 - Assisted in conducting experiments
 - Participated in literature reading groups

Conference Presentations

Talk
CAMP 2017 Arehalli, Suhas and Wittenberg, Eva. *The Mess Reveals the System: People use top down cues to resolve errors in contexts with highly random noise, but not with highly structured noise*. California Meeting on Psycholinguistics. Dec 2-3, 2017

Poster
CUNY 2018 Arehalli, Suhas and Wittenberg, Eva. *The Mess Reveals the System: People use top down cues to resolve errors in contexts with highly random noise, but not with highly structured noise*. CUNY Sentence Processing Conference. Mar 15-17, 2018. Available at <https://osf.io/6kqay/>.

Talk
AMLaP 2018 Arehalli, Suhas and Wittenberg, Eva. *Your Ears or your Brain: Noise Structure can hide grammatical preferences*. Architectures and Mechanisms in Language Processing, Sep 6-8, 2018.