

## Robert Alexander Schumacher

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### WORK EXPERIENCE

- 2011-2013 Graduate Assistant  
Department of Linguistics, Northwestern University.
- ◆ Researched in-depth the theoretical frameworks and contemporary theories of theoretical linguistics and psycholinguistics.
  - ◆ Learned the methodologies and tools of psycholinguistic and computational linguistic research.
  - ◆ Acquired practical knowledge of statistical practices and procedures in linguistics and cognitive psychology.
- 2013-2016 Research Assistant  
Department of Linguistics, Northwestern University.
- Nov-Dec 2013 Academic Visitor  
New Zealand Institute of Language, Brain and Behaviour, University of Canterbury.
- ◆ Designed original methodologies to investigate specific questions in psycholinguistics.
  - ◆ Assisted in the programming of interactive game-like experimental paradigms for web-based data collection.
  - ◆ Collected data on a large scale over the internet as well as in the laboratory.
  - ◆ Conducted thorough statistical analyses of data from multiple experimental paradigms.
- 2016-2017 Academic Visitor  
Oxford e-Research Centre, University of Oxford.
- ◆ Conducted corpus studies in support of psycholinguistic research.
  - ◆ Implemented and critically evaluated existing computational models of cognition on collected experimental data.
  - ◆ Conceived of and implemented original computational models of cognition on experimental data.

### EDUCATION

Ph.D, Linguistics, Northwestern University expected December 2017  
Dissertation Title: Complex Lexical Entries in the Syntax and the Lexicon. .  
Chair: Janet Pierrehumbert  
B.A, Linguistics and Classical Languages, University of Iowa, 2011

### SKILLS

Data Analysis and Cognitive Modeling with R

Corpus Linguistics and NLP with Python  
Experiment Design with Flex/ActionScript 3.0  
Data Collection and Crowd-sourcing with Amazon Mechanical Turk

## RESEARCH PAPERS

Schumacher, R. A., & Pierrehumbert, J. (submitted to Cognition). Regularization of Expected versus Unexpected Systems.

Schumacher, R. A., & Yoshida, M. (submitted to Glossa). The Cross-Linguistic Distribution of Pseudopassives and Null Subjects.

Schumacher, R. A., & Pierrehumbert, J. (in preparation) Universality in Models of Language Learning.

Schumacher, R. A., & Pierrehumbert, J. (in preparation) Learners do not Regularize Inconsistent Processes.

Schumacher, R. A., & Yoshida, M. (in preparation). On the Structural Representation of Syntactic Prediction.

Schumacher, R. A., & Yoshida, M. (in preparation). Conditions on Pseudopassives and the Relationship Between Verbs and Prepositions.

## PRESENTATIONS

Schumacher, R. A. and Pierrehumbert, J. (2014). Reconciling Inconsistency in Encoded Morphological Distinctions in an Artificial Language. Talk given at Midwest Speech and Language Day 2014.

Kirschner, A. and Schumacher, R. A. (2014). Divisions without Hierarchy: Four Dimensional Modeling of Sub-Meter. Talk given at MACRO 2014.

Schumacher, R. A. and Pierrehumbert, J. (2014). Reconciling Inconsistency in Encoded Morphological Distinctions in an Artificial Language. Poster presented at the 36th Annual Meeting of the Cognitive Science Society.

Baumann, P., Hall, K., Kim, N., Schumacher, R. A and Yoshida, M. (2015). The processing of adjunct wh-questions. Poster presented at CUNY 2015.

Schumacher, R. A., and Yoshida, M. (2015) Syntactic Prediction as Anticipatory Structure Building. Poster presented at CUNY 2015.

Schumacher, R. A., and Yoshida, M. (2016) Syntactic Argument Prediction as Anticipatory Structure Building. Poster presented at AmLAP 2016.

Schumacher, R. A. and Pierrehumbert, J. (2017) Prior Expectations in Linguistic Learning: A Stochastic Model of Individual Differences. Talk given at the Annual Conference of the 39th Annual Meeting of the Cognitive Science Society.

## HONORS

Phi Beta Kappa, University of Iowa, 2011.