

# Amandalynne Paullada

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**EDUCATION**      **Ph.D. Computational Linguistics**, *in progress*  
University of Washington, Seattle, WA

**M.A. Computational Linguistics**, May 2015  
Brandeis University, Waltham, MA

**B.A. Linguistics, B.A. Economics**, June 2012  
University of California, Santa Cruz, CA

**SKILLS**            **Programming**      Python, Java  
*experience with R, C++, SQL, Lisp*

**Languages**            English (native), Spanish (proficient), French (intermediate),  
Russian (intermediate), Korean (intermediate)

**Version Control**      Git, Subversion

**NLP & ML Tools**      Keras, NLTK, Praat, WEKA, SketchEngine

**EXPERIENCE**      **Data Science Intern, Cambia Health Solutions**, June 2017-September 2017

- Developed neural network classifier for clinical trial information extraction
- Evaluated models for clinical trial research synthesis on annotated data
- Added features and unit tests for insurance chatbot

**Researcher, Smart Information Flow Technologies**, June 2015-June 2016

- Built multimodal data processing pipeline for training and validating machine learning model of cognitive workload
- Implemented grammar rules for natural language text generation system
- Enriched parser with grammatical rules inferred from corpora using SketchEngine
- Collaborated on peer-reviewed research publications

**Lexical Data Processing Intern, PanLex Project**, Jun 2013-Aug 2013

- Interpreted multilingual language documentation to expand panlingual glossary
- Extracted word definitions from a variety of document types
- Formatted translation data with scripts and regular expressions for entry into database

**COURSES**            Data Structures & Algorithms in Java      Information Extraction  
Automatic Speech Recognition            Information Retrieval  
Statistical Approaches to NLP            Database Management Systems

**SELECTED PUBLICATIONS**      Tatman, R., Stewart, L., **Paullada, A.**, & Spiro, E. “Non-lexical Features Encode Political Affiliation on Twitter”, *Proceedings of the Second Workshop on NLP and Computational Social Science*, Association for Computational Linguistics, Vancouver, Canada, 2017.

Ott, T., Wu, P., **Paullada, A.**, Mayer, D., Gottlieb, J., & Wall, P. “ATHENA – A Zero-intrusion, No Contact Method for Workload Detection Using Linguistics, Keyboard Dynamics, and Computer Vision”, *International Conference on Human-Computer Interaction*, Toronto, Canada, 2016.

McDonald, D. D., Friedman, S. E., **Paullada, A.**, Bobrow, R., & Burstein, M. H. “Extending Biology Models with Deep NLP over Scientific Articles”, *AAAI Workshop: Knowledge Extraction from Text*, 2016.