# Chase M. **Adams**

Computational Linguistics · Graduate Student

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## Education

**University of Illinois at Urbana-Champaign** — *Champaign-Urbana, IL, USA*

Ph.D. - Linguistics (Emphasis in Computational Linguistics) — *Aug. 2017 - May 2022*
- Certificate in Language and Speech Processing
  A multi-program collaboration between Linguistics, Electrical & Computer Engineering, and Computer Science.

**Brigham Young University** — *Provo, UT, USA*

B.A. - Double Major in Linguistics and Arabic Studies — *Sept. 2010 - Apr. 2017*

## Skills

**Programming**  Python, R, LaTeX, Bash, Octave, Perl

**Languages**  English (American Northwest), Arabic (Levantine), Albanian (Geg), Serbo-Croatian (Vojvodski), Macedonian (Tetovski)

## Publications

**Biomedical semantic relation classification by syntactic dependency triples** — *Under review*

The 10th International Workshop on Health Text Mining and Information Analysis — *2019*
- EMNLP Workshop Paper Submission

**A pilot study of a behavioral parent training in the Republic of Macedonia** — *Springer US*

Journal of Autism and Developmental Disorders — *2016*
- Evaluation of effective information dissemination strategies in resource-poor regions

## Presentations

**GANDIT: The Generative Adversarial Network for Dialect Identification Tasks** — *In proceedings*

The 11th Annual Meeting of the Illinois Language and Linguistics Society — *2019*
- Plenary presentation on GANs for dialect discrimination

**Transforming the way we interact with scientific literature** — *P-D-R AGM*

AbbVie Inc. Celebration of Science — *2018*
- Poster presentation on text mining normalization

**Arabic Sociolinguistics Case Study - Contiglossia in Amman, Jordan** — *Stony Brook University*

30th Annual Symposium on Arabic Linguistics — *2016*
- Poster presentation on sociophonetics of Jordanian & Palestinian Arabics

## Related Experience

**AbbVie Inc.** — *Champaign, IL, USA*

Natural Language Processing Researcher — *May 2018 - Present*
- Synthesized textmining metadata inputs from multiple vendors to standardized BioC format
- Automatically deduced semantic relational categories from structured biopharmaceutical natural language journal sources
- Mentored fellow Library/Corpora interns in programming best practice and resource management

**MultiLing Corporation** — *Provo, UT, USA*

ISO Compliance Intern & Esoteric Translation Team Coordinator — *Jan. 2015 - Sept. 2015*
- Researched statistical data relevant to high volume translating countries and their constituent legal certification bodies
- Administered ISO-mandated audit of headquarters location and worldwide branches
- Implemented Portuguese Team coordination model

**BYU McKay School of Education** — *Provo, UT, USA & Skopje, Macedonia*

Research Assistant & Interpreter — *Jan. 2016 - Dec. 2016*
- Enabled behavioral research on parents of children with autism in the Republic of Macedonia
- Instructed Utah-based team on linguistic and cultural idiosyncrasies prior to in-country research

# Research Interests

**Phonetic/Phonological**

Text-To-Speech Synthesis, Automatic Speech Recognition, Language/Dialect Identification, Gemination, Forced Alignment

**Semanto-Syntactic**

Semantic Role Labeling, Shallow Semantic Parsing, Dependency Grammar, Automatic Relation Induction, Machine Translation

**Computational-Theoretic**

Low-Resource NLP, Cluster Analysis, Generative Adversarial Networks