Borui Zhang

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Objective

Seeking an internship as a language engineer in a research team, utilizing my language analyzing and computational linguistic skills.

Education

- Ph.D. in Linguistics (minor in CS) *University of Minnesota, Twin Cities, USA* *Current*
- M.A. in Linguistics   (GPA: 3.95) *University of Minnesota, Twin Cities, USA* *June 2016*
- B.S. in Educational Technology *Tianjin Foreign Studies University, China* *July 2011*

Qualification

- <u>AI techniques:</u> machine learning, machine translation, natural language processing (NLP), artificial intelligence, computational linguistics, data structures and algorithms
- <u>Speaking Languages:</u> Mandarin, Cantonese, Korean (intermediate level)
- <u>Linguistic Research:</u> syntax and semantics of endangered languages: Newa (Sino-Tibetan), Somali
- <u>Programming skills:</u> Python, Haskell, Matlab, R, Java, SQL, Linux, HTML, RegEx; NLP packages and tools: TensorFlow, NLTK, Moses, WordNet, API

Employment Experience

- Intern at United Language Group, Computational Linguist (machine translation), MN   *Jan.-Aug. 2017*
  Corpus data collecting, cleaning, and training language models for machine translation applications, including bidirectional language pairs of Chinese, Korean, and Japanese to English
- Language consultant of online applications, Fallon Worldwide, MN   *May -Jul. 2016*
  Created a semantic tool for the project "Flavor me" on predicting a subjective mood (sentimental analysis) for tweets from the product users
- Graduate Teaching Assistant of Linguistics, U of M, MN   *Sep. 2014-Current*
  Helping plan and create the teaching materials for linguistic courses; leading lecture discussion sections; grading homework and exams
- Chinese Language Tutor - Asian Language and Literature Department, U of M, MN   *Jan-Jun. 2015*
  Provided outside-of-classroom help to undergraduate students improve their oral Chinese skills in pronunciations, tones, vocabulary, and pragmatics in real life conversations

Research Projects and Publications

- Zhang B. 2018. Sluicing-like construction in Kathmandu Newari, *Chicago Linguistics Society (CLS)* 54th
- Zhang B. & Chacon, D. 2018. Embedding, Covert Movement, and Intervention in Kathmandu Newari, Linguistics Society of America 92nd Annual Meeting
- Borui Zhang. 2017. Complementation in Newari, *the seventh Formal Approaches to South Asian Languages Workshop* (FASAL 7), MIT
- Borui Zhang. 2016. Entropy Reduction Prediction on Mandarin Chinese Relative Clauses, *Buckeye East Asian Linguistics Forum*, The Ohio State University
- Borui Zhang. 2015. Processing Embedding Structures in Mandarin Chinese, *Semantics Workshop of the American Midwest and Prairies* (SWAMP 2015), Northwestern University
- Costello, J. & Zhang, B. *Comparing Unigram Tagger and Bigram Tagger Performance for Chinese Corpora* (LING 5801 Computational Linguistics course project, Spring 2015)

Members, Awards & Volunteers

- Member of Women in Computer Science at University of Minnesota   *2016-current*
- Leader of Syntax and Semantics Reading Group at University of Minnesota   *2018-current*
- Student Organizer of the Linguistics Colloquium at University of Minnesota   *2015-2018*
- Granted funding for 27th European Summer School in Logic, Language and Information (ESSLLI 2015) by European Association for Computer Science Logic (EACSL)