

Michael Tepper

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Education

M.A. in Linguistics

Received 12/07

University of Washington, Seattle, WA

Focus Areas: Applications of Language Technology, Machine Learning, Natural Language Processing (NLP)

Breadth Areas: Computational Linguistics, Syntax, Morphology, Turkic Languages

Coursework: Syntax I & II, Phonetics, Syntax for Computational Linguistics, Statistical NLP, Deep Processing Techniques for NLP, Grammar Engineering, Turkish

Projects: Computational Grammar for Uzbek, Inducing Morphology with a Hybrid Machine Learning Approach

B.S. in Mathematics

Received 6/04

University of Texas at Austin, Austin, TX

Major G.P.A. 3.8/4.0

Focus Area: Numerical Analysis

Coursework: Elements of Scientific Computing, Numerical Analysis: Linear Algebra, Introduction to Computational Linguistics, Computer Programming for Non-Majors Certification

Projects: Using Improved Iterative Scaling to Train a Maximum Entropy Part of Speech Tagger

Experience

Summer Intern, Palo Alto Research Center, Palo Alto, CA

6/08 - 10/08

- Worked on framework for transfer-based machine translation with limited transfer statistics and large language models.

Software Design Engineer II, Microsoft (under contract), Seattle, WA

3/08 - 6/08

- Developed resources to automate training and testing of models under a novel “system combination” machine translation approach invented by Microsoft researchers.

Research Assistant / Teaching Assistant, UW Linguistics, Seattle, WA

9/04 - 3/07

- (RA) Worked on a variety of projects for UW Linguistics faculty, including analyzing corpora to determine word-order preferences, developing applications to analyze vowel measurements, and developing visualizations of vowel-neutralization.
- (TA) Led discussion sections and developed coursework for introductory linguistics courses.

Summer Intern, AOL (with Tegic), Seattle, WA

9/04 - 3/07

- Conducted corpus collection and linguistic data analysis for several new T9-Predictive Text languages. Facilitated initial research toward compressing and more robustly covering highly inflected languages.

Skills

Languages:

Proficient: Java, Python, Perl, XML, HTML

Intermediate: C, C#, Cocoa/Objective-C

Familiar: C++, SQL, PROLOG

Systems: Windows XP/Vista, Unix, Linux, Macintosh OSX, MS Office

Activities

Learning Languages, Reading, Cooking, Bicycling, Hiking, Snowshoeing, Travel

Volunteer, Hands On Bay Area, San Francisco, CA 6/08 – 8/08

- Volunteered at several sites around San Francisco and the Bay Area, including the Legion of Honor and the San Francisco Zoo.

Volunteer, Seattle Works: Team Works, Seattle, WA 1/07 – 5/07

- Volunteered at various sites around Seattle, including Eastside Baby Corner and Seattle Youth and Garden Works.

Volunteer, Habitat for Humanity, Seattle, WA 9/06 – 12/06

- Helped build a mixed-income housing project in Rainier Valley, Seattle.

Awards and Honors

Graduate School Travel Award 9/07

Graduate School Top Scholar Award 9/04

Simpson Center for Interdisciplinary Studies Scholar 9/04

Memberships

Linguistics Society of America 2007 - 08

Association for Computational Linguistics 2007 - 08

Citizenship Status

US Citizen