

# Michael Wayne Goodman

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University of Washington, Department of Linguistics  
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**OBJECTIVE** A summer internship/contract position doing research and development in computational linguistics, particularly in machine translation, computer-assisted language learning, or deep linguistic resource creation.

**EDUCATION** *Ph.D.*, Computational Linguistics  
University of Washington, Seattle, WA, Expected June 2013  
Concentration: Deep Lexical Acquisition

*Master of Arts*, Computational Linguistics  
University of Washington, Seattle, WA, August 2009  
Thesis: *Egad: Efficiently Evaluating and Extracting Errors from Deep Grammars*  
Relevant Courses:

- Statistical Machine Translation
- Advanced Statistical Methods for NLP

*Bachelor of Science*, Computer Science  
Oregon State University, Corvallis, OR, August 2007  
Concentration: Artificial Intelligence  
Minor: Japanese  
Relevant Courses:

- Intro to Artificial Intelligence
- Bayesian Networks

*Study Abroad*, 09/2003–06/2004  
Waseda University, Tokyo, Japan  
Concentration: Japanese Language and Sociolinguistics

**COMPUTER SKILLS** *Languages:* Python, C#, TDL, Bash, SQL, Perl, Java, C++/C, Haskell, Lisp.  
*IDEs & Editors:* MS Visual Studio 2003/2005/2008, Eclipse, Vim, Emacs.  
*VCSs & Issue Trackers:* SVN, CVS, Bazaar, Source Depot, Git, Launchpad, Trac, Product Studio, Atlassian JIRA, Bugzilla.  
*Operating Systems:* Linux, Microsoft Windows

**EXPERIENCE** *Teaching Assistant* 01/2011–current  
Advanced Statistical Methods in NLP, University of Washington, Seattle, WA

- Graded programming and reading assignments for 30 students
- Maintained office hours
- Assisted with lectures for online and in-class students

*Research Assistant* 09/2009–12/2010  
Grammar Matrix Project, University of Washington, Seattle, WA

- Maintained and refactored system infrastructure.
- Implemented features for both users and developers.
- Demoed and promoted the project at international conferences.

*Data Acquisition Specialist* 02/2009–06/2009

Microsoft Translator, Populus Group, Redmond, WA

- Acquired and processed new data sources for training the translation systems.
- Configured, trained, and evaluated builds and models.
- Designed, executed, and evaluated experiments concerning data configurations.
- Found and fixed bugs in the training and data processing code, as well as in the SQL queries.
- Languages: C#, SQL, Python

*Invited Advisor* 10/2008–01/2009

Language Infrastructure Group, National Institute of Information and Communications Technology (NICT/情報通信研究機構), Kyoto, Japan

- Designed and implemented a debugging tool for HPSG grammars that analyzes performance over corpus items and attempts to locate errors in the grammar.
- Fixed errors in the Jacy Japanese grammar related to generation.
- Languages: Perl, TDL, Lisp

*Student Developer and Undergraduate Researcher* 04/2005–08/2007

TaskTracer Project, Oregon State University, Corvallis, OR

- Implemented new functionality and designed new user interfaces for a personal information management tool.
- Mentored incoming developers and lead team discussions.
- Languages: C#, C++

**SELECTED  
PUBLICATIONS**

*What's in a Word? Refining the Morphotactic Infrastructure in the LinGO Grammar Matrix Customization System*

Michael Wayne Goodman and Emily M Bender

Workshop on Morphology and Formal Grammars 2010, Paris, France.

*Using Generation for Grammar Analysis and Error Detection*

Michael Wayne Goodman and Francis Bond

Proceedings of the ACL-IJCNLP 2009 Conference Short Papers, Singapore.

*Detecting and Correcting User Activity Switches: Algorithms and Interfaces*

J. Shen, J. Irvine, X. Bao, M. Goodman, S. Kolibaba, A. Tran, F. Carl, B. Kirschner, S. Stumpf, T. Dietterich

13th International Conference on Intelligent User Interfaces 2009 (IUI-09), Sanibel Island, Florida, USA.

**LANGUAGE  
KNOWLEDGE**

*English*

native

*Japanese*

spoken: intermediate-advanced

written: intermediate

*Spanish*

intermediate

*Chinese*

novice-intermediate

**REFERENCES**

**Dr. Emily M. Bender**

Assistant Professor

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