

CONTACT INFORMATION	(available upon request)		Email: rkirsling@gmail.com Website: rkirsling.github.com
RESEARCH INTERESTS	Natural language understanding Machine translation Computational approaches to semantics, pragmatics, and discourse		
EDUCATION	University of Wisconsin-Madison , Madison, Wisconsin, USA		
	M.A., Linguistics	September 2010 – December 2012	
	<ul style="list-style-type: none">• Prelim Paper: <i>Phrasal Restrictions on Noncontrastive Topic: The Case of Japanese</i>• Advisor: Mürvet Eng• Cumulative GPA: 3.9 / 4.0		
	B.A. with Distinction, Japanese	September 2005 – May 2009	
	<ul style="list-style-type: none">• Certificate: Computer Sciences• Study Abroad: Keio University, Tokyo, Japan ('07-'08)• Cumulative GPA: 3.9 / 4.0		
PROFESSIONAL EXPERIENCE	Sony Network Entertainment , Middleton, Wisconsin, USA		
	Associate Software Engineer (initially Technical Analyst)	May 2009 – present	
	<ul style="list-style-type: none">• Co-developed front-end of three web-based media management applications, one of them a component in a high-profile online store.• Handled bilingual (English/Japanese) internal documentation and support on a media software team.• Assisted in various facets of a desktop software project across 16 releases, from localization issue tracking to website/application testing.		
HONORS, AWARDS, CERTIFICATIONS	<ul style="list-style-type: none">• Phi Beta Kappa, University of Wisconsin-Madison May 2009• Level 1 (highest) of Japanese Language Proficiency Test December 2008• Japanese Ministry of Education (MEXT) scholarship for study abroad at Keio University in Tokyo, Japan September 2007 – July 2008• Chicago-Osaka Sister Cities Special Award (for one-week homestay in Osaka, Japan), 20th Annual Japanese Language Speech Contest, Chicago, IL March 2006		
PUBLICATIONS	In press. Applying formalized aboutness conditions to Japanese topic structures. <i>LSO Working Papers in Linguistics</i> , Vol. 9, University of Wisconsin-Madison.		
PRESENTATIONS	April 2, 2011. Applying formalized aboutness conditions to Japanese topic structures. 9th Workshop in General Linguistics (WIGL), University of Wisconsin-Madison.		
MANUSCRIPTS	May 10, 2012. Probabilities without paradigm-shifting: Recognizing gradience in natural language syntax. University of Wisconsin-Madison.		
NATURAL LANGUAGES	English (native), Japanese (fluent), Mandarin Chinese (intermediate), Korean (intermediate), French (reading)		
PROGRAMMING LANGUAGES	Traditional:	Python, Scala, Haskell, Java, C/C++	
	Web Development:	JavaScript, HTML, CSS	
	Typesetting:	L ^A T _E X	

PORTFOLIO
PROJECTS

Modal Logic Playground

a graphical semantic calculator for modal propositional logic

Live URL: rkirsling.github.com/modallogic

Language: JavaScript

Libraries used: D3, MathJax, Bootstrap, Underscore

RELEVANT
OPEN ONLINE
EDUCATION
PARTICIPATION

Completed MOOCs:

Principles of Reactive Programming
(*in progress*)

Martin Odersky, Erik Meijer, Roland Kuhn
Coursera, November–December 2013

Functional Programming Principles in Scala
(100%)

Martin Odersky
Coursera, September–November 2013

Introduction to Parallel Programming
(*highest distinction*)

John Owens & David Luebke
Udacity, June 2013

Computational Neuroscience
(99.3%)

Rajesh P. N. Rao & Adrienne Fairhall
Coursera, April–June 2013

Introduction to Theoretical Computer Science
(*highest distinction*)

Sebastian Wernicke
Udacity, October 2012

Quantum Mechanics and Quantum Computation
(91.4%)

Umesh Vazirani
Coursera, July–September 2012

Web Application Engineering
(*highest distinction*)

Steve Huffman
Udacity, August 2012

Introduction to Logic
(100%)

Michael Genesereth
Coursera, April–June 2012

Natural Language Processing
(90.6%)

Dan Jurafsky & Christopher Manning
Coursera, March–May 2012

Introduction to Artificial Intelligence
(91.1%)

Sebastian Thrun & Peter Norvig
pre-Udacity, October–December 2011

Audited MOOCs:

Compilers
(*watched all video lectures*)

Alex Aiken
Coursera, April 2013

Probabilistic Graphical Models
(*watched all video lectures*)

Daphne Koller
Coursera, September–December 2012

Machine Learning
(*watched all video lectures*)

Andrew Ng
Coursera, October–December 2011