jkk@berkeley.edu www.jkk.name

**Degrees** PhD in Computer Science (in progress)

2010 -

University of California, Berkeley

Advisor: Dan Klein

Bachelor of Science (Advanced) (Honours) Class I

2006 - 2009

University of Sydney Advisor: James Curran

## Publications NLP

## Error-Driven Analysis of Challenges in Coreference Resolution

J. K. Kummerfeld and D. Klein

Empirical Methods in Natural Language Processing, EMNLP 2013

## An Empirical Examination of Challenges in Chinese Parsing

J. K. Kummerfeld, D. Tse, J. R. Curran, and D. Klein Association for Computational Linguistics, ACL (short) 2013

# Parser Showdown at the Wall Street Corral: An Empirical Investigation of Error Types in Parser Output

J. K. Kummerfeld, D. Hall, J. R. Curran, and D. Klein Empirical Methods in Natural Language Processing, EMNLP 2012

# Robust Conversion of CCG Derivations to Phrase Structure Trees

J. K. Kummerfeld, D. Klein, and J. R. Curran

Association for Computational Linguistics, ACL (short) 2012

#### Mention Detection: Heuristics for the OntoNotes annotations

J. K. Kummerfeld, M. Bansal, D. Burkett, and D. Klein Conference on Natural Language Learning, CoNLL 2011

#### Faster Parsing by Supertagger Adaptation

J. K. Kummerfeld, J. Rosener, T. Dawborn, J. Haggerty, J. Curran, and S. Clarke Association for Computational Linguistics, ACL 2010

# Classification of Verb Particle Constructions with the Google Web1T Corpus

J. K. Kummerfeld and J. R. Curran

Australasian Language Technology Association, ALTA 2008

#### Other

# High-velocity Clouds in the Galactic All Sky Survey. I. Catalog

V. A. Moss, N. M. McClure-Griffiths, T. Murphy, D. J. Pisano, J. K. Kummerfeld, and J. R. Curran

The Astrophysical Journal Supplement Series, ApJS 2013

# Spatiotemporal Hierarchy of Relaxation Events, Dynamical Heterogeneities, and Structural Reorganization in a Supercooled Liquid

R. Candelier, A. Widmer-Cooper, J. K. Kummerfeld, O. Dauchot, G. Biroli, P. Harrowell, and D. R Reichman

Physical Review Letters, PRL 2010

# The Densest Packing of AB Binary Hard-Sphere Homogeneous Compounds across all Size Ratios

J. K. Kummerfeld, T. S. Hudson, and P. Harrowell *The Journal of Physical Chemistry B*, JPC 2008

#### **Employment**

# Software Engineer - Intern, Google Research

Mountain View Office, Natural Language Processing team, May - August 2012

# ${\bf Software\ Engineer-Intern,\ Google}$

Sydney Office, Infrastructure team, December 2007 - February 2008

#### Research Assistant, University of Sydney

School of Information Technologies, 2010

School of Physics, 2010 School of Chemistry, 2009

School of Letters, Art and Media, 2008, 2009

# Awards and Honors (selected)

## Char's Special Award

2013

For services to the EECS department during student admissions

## Outstanding Graduate Student Instructor Award

2011

University wide award in recognition of exceptional achievements as a teacher

# General Sir John Monash Award

2010 - 2013

"Australia's most prestigious postgraduate scholarships"

# University Medal in Computer Science

2009

For outstanding results, awarded at the discretion of the university senate

# Helen Beh Award for Citizenship

2007

For contributions to non-academic activities

# Sydney University Merit Scholarship

2006-2009

For academic results, leadership, creativity, self-motivation, and communication skills.

#### **Teaching**

#### Teaching Assistant for CS188: Artificial Intelligence

University of California at Berkeley, Fall 2011

Prepared assignments, exams and sections, graded exams, held sections and office hours.

## Teaching Assistant for INFO1903: Informatics (Advanced)

University of Sydney, Semester One 2009 Held sections and graded assignments.

#### Instructor for the Australian Informatics Olympiad

Australian National University, 2007, 2008, 2009, 2010

Gave lectures, prepared exams, prepared labs.

## Mentor for the National Computer Science School

University of Sydney, 2007, 2008, 2010

Led a group of high school students, who learnt python and built a search engine.

#### Mentor for SOFT1901: Software Development 1 (Advanced)

University of Sydney, Semester One 2007

Ran programming competition, assisted in sections.

Leadership Positions (selected)

President, Berkeley Computer Science Graduate Student Association, 2012–2013

President, Sydney University Information Technologies Society, 2008

President, Sydney University Jazz Society, 2008