

MARK HOPKINS

Citizenship: Canadian

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EDUCATION

1. University of California, Los Angeles (Fall 2000 – Spring 2005):

Ph.D. in computer science, co-advised by Prof. Judea Pearl and Prof. Adnan Darwiche.

Dissertation title: *The Actual Cause: From Intuition to Automation*. GPA: 4.000/4.000.

2. University of California, Berkeley (Fall 1996 – Spring 2000):

B.A. in computer science, summa cum laude. GPA: 4.000/4.000.

SELECTED RESEARCH EXPERIENCE

1. Postdoctoral Researcher, PTOLEMAIOS Project, Saarland University, Germany

(Fall 2005 – present): Currently developing techniques for the induction and validation of shallow grammars from small handcrafted corpora.

2. Research Intern, Natural Language Group, USC Information Sciences Institute

(Summer 2003 and 2005): Assisted an initiative to develop a competitive machine translation system based on exploiting deep syntactic structure. Worked with Professor Kevin Knight and Professor Daniel Marcu.

3. Research Assistant for Professor Judea Pearl, Computer Science Dept., UCLA

(Fall 2000 – Spring 2003, Fall 2003 – Spring 2005): Performed research into issues relating to causality, knowledge representation and reasoning, and machine learning.

4. Research Intern, Hewlett-Packard Laboratories, Palo Alto, CA

(Summer 1998 and 1999): Assisted research in machine learning and distributed control.

SELECTED HONORS/SKILLS/PROFESSIONAL SERVICE

1. Reviewer, International Joint Conference on Artificial Intelligence (2005).
2. Program Committee, 20th Conference on Uncertainty in Artificial Intelligence (2004).
3. Dimitris N. Chorafas Foundation Year 2004 Award (2004)
4. UC Berkeley Computer Science Division Highest Achievement Award (2000): awarded yearly to the top graduating computer science major at UC Berkeley.
5. Nokia Scholarship (2000)
6. UC Berkeley Chancellor's Scholarship (1996-2000)

SELECTED PUBLICATIONS

1. M. Hopkins and J. Kuhn. **Exploring the Potential of Intractable Parsers**. To appear: ACL/COLING 2006.
2. M. Hopkins and J. Kuhn. **A Framework for Incorporating Alignment Information in Parsing**. EACL Workshop on Cross-Language Knowledge Induction, 2006.
3. M. Galley, M. Hopkins, K. Knight, D. Marcu. **What's in a Translation Rule?** HLT/NAACL 2004.
4. M. Hopkins. **LAYERWIDTH: Analysis of a New Metric for Directed Acyclic Graphs**. UAI 2003.
5. M. Hopkins and J. Pearl. **Clarifying the Usage of Structural Models for Commonsense Causal Reasoning**. AAAI Spring Symposium on Logical Formalizations of Commonsense Reasoning, 2003.
6. M. Hopkins. **Strategies for Determining Causes of Events**. AAAI 2002.
7. A. Darwiche and M. Hopkins. **Using Recursive Decomposition to Construct Elimination Orders, Jointrees, and Dtrees**. ESCQARU 2001.