

Nathanael Fillmore
nathanae@cs.wisc.edu
1210 W. Dayton St., Madison, WI 53706

Education

University of Wisconsin, Madison, 2008 – PRESENT, Computer Sciences, M.S., 2010, Ph.D., 2014 (expected). Minor: Mathematics.

Advisors:

- Colin Dewey (Biostatistics and Medical Informatics; Computer Sciences)
- Michael Newton (Statistics; Biostatistics and Medical Informatics)

American Institute of Indian Studies, Pune, India, Advanced Language Program in Sanskrit, June – November, 2005.

Carleton College, 2001 – 2005, B.A., Classical Languages and Philosophy, *magna cum laude*.

Publications

Michael H. Coen, M. Hidayath Ansari, and Nathanael Fillmore. Learning from spatial overlap. *Twenty-Fifth Conference on Artificial Intelligence (AAAI)*, 2011.

Michael H. Coen, M. Hidayath Ansari, and Nathanael Fillmore. Comparing clusterings in space. *International Conference on Machine learning (ICML)*, 2010.

M. Hidayath Ansari, Nathanael Fillmore, and Michael H. Coen. Incorporating spatial similarity into ensemble clustering. *MultiClustKDD: 1st International Workshop on Discovering, Summarizing and Using Multiple Clusterings at KDD*, 2010.

Michael H. Coen, Nathanael Fillmore, and M. Hidayath Ansari. Measuring similarity non-metrically. *ICML 2010 Workshop on Learning in Non-(geo)metric Spaces*, 2010.

Andrew B. Goldberg, Nathanael Fillmore, David Andrzejewski, Zhiting Xu, Bryan Gibson, and Xiaojin Zhu. May all your wishes come true: A study of wishes and how to recognize them. In *North American Chapter of the Association for Computational Linguistics – Human Language Technologies (NAACL-HLT)*, 2009.

Nathanael Fillmore, Andrew B. Goldberg, and Xiaojin Zhu. Document recovery from bag-of-word indices. University of Wisconsin, Computer Sciences, Technical Report TR1645, August 2008.

Recent presentations and posters (unreferred)

“Progression and gene expression in cervical cancer.” Poster at the Institute for Mathematics and its Applications’ annual program year workshop on Large Data Sets in Medical Informatics, University of Minnesota, November 15, 2011.

“Progression and gene expression in cervical cancer.” Presentation to the Computation and Informatics in Biology and Medicine seminar, University of Wisconsin, Madison. October 25, 2011.

“Progression and gene expression in cervical cancer.” Poster at the Computation and Informatics in Biology and Medicine annual fall retreat, University of Wisconsin, Madison. October 7, 2011.

“Towards a comprehensive corpus of eighteenth-century English print.” Presentation to the Mellon working group on Visualizing English Print from c. 1470 to 1800, University of Wisconsin, Madison. October 1, 2011.

**Academic
honors,
scholarships,
and
fellowships**

Computation and Informatics in Biology and Medicine pre-doctoral traineeship, 2011 – 2014.

Travel support from the Institute for Mathematics and its Applications’ for its annual program year workshop on Large Data Sets in Medical Informatics, 2011.

International Conference on Machine Learning student travel scholarship, 2010.

Carleton College dean’s list, 2002 – 2004, Phi Beta Kappa, 2005.

White Bear Lake Area Educational Foundation Brosious Scholarship (merit-based), 2001 – 2005.

Byrd Scholarship (merit-based), 2001 – 2005.

American Legion Scholarship (merit-based), 2001.

Kopp Family Foundation Scholarship (merit-based), 2001.

Citizen’s Scholarship Foundation of America (merit-based), 2001.

**Academic
service**

Local site coordinator (with Xiaojin Zhu and Benjamin Snyder), North American Computational Linguistics Olympiad (NACLO), 2011.

Local site coordinator (with Xiaojin Zhu), North American Computational Linguistics Olympiad (NACLO), 2010.

Local site coordinator (with Xiaojin Zhu), North American Computational Linguistics Olympiad (NACLO), 2009.

**Teaching
assistantships**

CS 513, Numerical Linear Algebra, SPRING 2011.

CS 412, Intro. to Numerical Methods, SPRING 2011.

CS 760, Machine Learning, FALL 2010.

CS 412, Intro. to Numerical Methods, FALL 2010.

CS 540, Intro. to Artificial Intelligence, SPRING 2010.

CS 412, Intro. to Numerical Methods, SPRING 2010.

CS 838, Computational Cognitive Science, FALL 2009.

CS 412, Intro. to Numerical Methods, FALL 2009.

CS 540, Intro. to Artificial Intelligence, SPRING 2009.

CS 310, Problem Solving with Computers, FALL 2008.

Latin 101, Beginning Latin, WINTER 2005.

**Professional
experience**

BigHat Inc., SUMMER 2006 – SPRING 2008. Technical lead and part owner.

Independent contractor (as a programmer), SUMMER 2002 (Glancey Concrete),
SPRING 2004 (*The Carletonian* newspaper), FALL 2005 – SUMMER 2006 (Web
Services Group, Carleton College).

Student programmer, Web Services Group, Carleton College. FALL 2002 –
SPRING 2005

Laborer, Glancey Concrete. SUMMER 2001, SUMMER 2002, SUMMER 2003.

**Selected
technical skills**

C, R, Matlab, Python, L^AT_EX, and many others.

**Human
languages**

Latin, ancient Greek, Sanskrit.