William W. Cohen
Center for Automated Learning and Discovery
Carnegie-Mellon University
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Professional Experience:

- May 2003–present. Associate Research Professor, Center for Automated Learning and Discovery, Carnegie-Mellon University, Pittsburgh, PA.

- July 2002–May 2003. Visiting Associate Professor, Center for Automated Learning and Discovery, Carnegie-Mellon University, Pittsburgh, PA.

- April 2000–May, 2002. Distinguished Research Scientist, Whizbang Labs, Pittsburgh, PA.

- September 1990—April 2000. Member Technical Staff, AT&T Bell Laboratories, Murray Hill NJ; Principle Research Staff Member, AT&T Labs-Research, Florham Park NJ.

Education:

Ph.D. in Computer Science. Rutgers University, New Brunswick, New Jersey. August 1990. Doctoral thesis, *Explanation Based Generalization as an Abstraction Mechanism for Concept Learning*, under the direction of Dr. Alex Borgida.

M.S. in Computer Science. Rutgers University, New Brunswick, New Jersey. May 1988.

B.S. in Computer Science. Duke University, Durham, North Carolina. May 1984.

Relevant publications:

2002 W. Cohen, M. Hurst and L. Jensen, "A Flexible Learning System for Wrapping Tables and Lists in HTML Documents", in *Proceedings of the Eleventh International World Wide COnference (WWW-2002)*.

1998 W. Cohen, "Hardness Results for Learning First-Order Representations and Programming by Demonstration", *Machine Learning*, 30(1), pp 57–88.

1994 W. Cohen, "Grammatically Biased Learning: Learning Logic Programs Using an Explicit Antecedent Description Language", *Artificial Intelligence*, Vol 68, pp 303-366.

Other representative publications (of 93):

1999 W. Cohen, Y. Singer, "Context-sensitive learning methods for text categorization", in *ACM Transactions on Information Systems*, 17(2), Apr 1999, pages 171-173.

1999 W. Cohen and Y. Singer, "A Simple, Fast, and Effective Rule Learner", in *Proceedings, Seventeenth National Conference on Artificial Intelligence* (AAAI-99).

1999 W. Cohen, Y. Singer, R. Schapire, "Learning to Order Things", in *Journal of Artificial Intelligence Research*, 10, 1999, pp 243-270.

1995 W. Cohen, "Fast Effective Rule Induction", in *Machine Learning, Proceedings of the Twelfth International Conference* (ICML-95). (There are 177 citations to this paper in ResearchIndex.)

Professional Service:

- November 2001—present. Director of the International Machine Learning Society.

- September 2001—present. Action Editor for *The Journal of Machine Learning Research*.

- January 1997—September 2001. Action Editor for the journal *Machine Learning*.

- January 1995—December 1997. Associate Editor for the *Journal of Artificial Intelligence Research*.

- March 1998. With Jaime Carbonell and Yiming Yang (of CMU), editor of special issue of the journal *Machine Learning* on the topic "machine learning and information retrieval".

- Co-chair of the 1994 International Machine Learning Conference.

- Area chair for ML-2000, SIGIR-2001, and SIGIR-2002; Senior PC member, AAAI-2004.

- Member of program committees for KDD-2003, SIGMOD-2002, NIPS-2002, ICML-2002, ICML-2001, SIGIR-2001, WWW-2000, ILP-2000, SIGIR-99, WWW-99, ILP-99, COLT-98, ML-97, ILP-97, AAAI-96, ALT-96, ILP-95, ILP-94, AAAI-93, and ML-93, and various specialized workshops.

Invited Talks and Seminars:

- October 2002, invited talk, "Exploiting Document Structure in Information Extraction and Document Classification", McKay Distinguished Lecture, University of California, Berkeley.

- October 2001, invited talk, "Issues in Extracting Information from the Web", at the 7th International Workshop on Parsing Technologies, Sponsored by ACL/SIGPARSE, Bejing, China.

- December 2000, invited talk, "Learning Using the Web as Background Knowledge", at the Eleventh International Conference on Algorithmic Learning Theory, Sydney, Australia.

- June 1999, keynote address, "What can we learn from the Web?" at the 16th International Conference on Machine Learning, Bled, Slovenia.

- March 1996, invited talk, "What the Well-Informed IR Researcher Should Know About Machine Learning", at the 1996 AAAI Spring Symposium on Machine Learning and Information Access, Palo Alto, CA.

- September 1995, invited talk, "Learning to Classify English Text with ILP Methods", at the Fifth International Workshop on Inductive Logic Programming, Leuven, Belgium.

Patents and Patent Applications:

- *A system and method for accessing heterogeneous databases.* Patent #6,295,533.

- *A system and method for finding information in a distributed information system using query learning and meta search.* Patent # 5,347,623.

- *Rule induction on large noisy data sets.* Patent # 5,719,692.

- *Software discovery system.* Patent # 5,642,472.

- *Biased learning system.* Patents # 5,481,650 and # 5,627,945.