Anne C. Mulhern

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Education

- **Ph. D. Computer Sciences** - May, 2010
  Computer Sciences Department, University of Wisconsin, Madison, WI, USA

- **Summer School on Logic and Theorem Proving in Programming Languages** -
  July 22–July 30, 2008, *University of Oregon, Eugene Oregon*

- **Types Summer School** - August 19–August 31, 2007, *Bertinoro, Italy*

- **M. S. Computer Sciences** - May, 2000
  Computer Sciences Department, University of Wisconsin, Madison, WI, USA

- **Special Student**, June 1997–May 1998
  Computer Sciences Department, The University of Wisconsin, Madison, WI, USA

- **B.S. Civil Engineering** - May, 1991
  Pennsylvania State University, University Park, PA, USA

Professional Experience

- **Research Assistant Positions**
  Cooperative Bug Isolation Project — January 2006 – August 2009
  Wisconsin Safety Analyzer — September 2001 – August 2004
  Summer Assistantship — Summer 1999
  Computer Sciences Department, The University of Wisconsin, Madison, WI, USA

  Student Internship — June 2000 – July 2001
  The Watson Research Center, IBM, Hawthorne, NY, USA

- **Teaching Positions**
  Introduction to Compilers — August 2009 — December 2009
  Computer Sciences Department, The University of Wisconsin, Madison, WI, USA

  Developing Proofs Using the Coq Proof Assistant — January 2008 — August 2009
  Computer Sciences Department, The University of Wisconsin, Madison, WI, USA

  Fundamentals of Computer Science — Summer 2005, Kaneohe, HI
  Johns Hopkins University Center for Talented Youth, Baltimore, MD, USA

  Introductory Programming — January 2001 – May 2001
  Computer Science Department, Sarah Lawrence College, Bronxville, NY, USA

- **Supervised Teaching Assistant Positions**
  CS701 — Programming Languages and Compilers — Dr. Charles Fischer, Fall 2005
  CS706 — Analysis of Software Artifacts — Dr. Benjamin Liblit , Fall 2005
  CS302 — Introduction to Programming — 1998–2000 and 2004–2005
  Math441 — Introduction to Modern Algebra — Dr. Robert Wilson, Dr. Richard Brualdi
  Math541 — Modern Algebra — Dr. Robert Wilson
  The University of Wisconsin, Madison, WI, USA

Papers

- Anne Mulhern and Ben Liblit. Effective Slicing: A Generalization of Full and Relevant Slicing. University of Wisconsin-Madison Technical Report 1639, June, 2008.

- David Andrzejewski, Anne Mulhern, Ben Liblit and Xiaojin Zhu. Statistical Debugging Using Latent Topic Models. In Stan Matwin and Dunja Mladenic, editors, *Proceedings of the 18th European Conference on Machine Learning*, Warsaw, Poland, 2007.

- Anne Mulhern. Proof Weaving. In *Proceedings of the First Informal ACM SIGPLAN Workshop on Mechanizing Metatheory*, Portland, Oregon, September 2006. The Eleventh ACM SIGPLAN International Conference on Functional Programming.

- Anne Mulhern, Charles Fischer and Ben Liblit. Tool Support for Proof Engineering. In Serge Autexier and Christoph Benzmüller, editors, *Workshop on User Interfaces for Theorem Provers*, Seattle, Washington, 2006. The 2006 Federated Logic Conference, ENTCS.

- Anne Mulhern. Gallimaufry: An Automated Framework for Proving Type-Safety. Presented at the Constructive Logic for Automated Software Engineering Workshop, Edinburgh, Scotland, 2005. The 2005 European Joint Conferences on Theory and Practice of Software.

Professional Associations and Community Activities

- **ACM** - Association for Computing Machinery

- **WACM** - University of Wisconsin-Madison student chapter of ACM-W (ACM Committee on Women in Computing)

- **SDE/GWIS** - Graduate Women in Science

- **Expanding Your Horizons Conference**, University of Wisconsin-Madison.

Honors, Awards, and Certifications

- **Second Place PLDI 2008 ACM Student Research Competition.**

- **Graduate Women in Science Ruth Dickie Grant**, 2005–2006.

- **UW-Madison CS Departmental First-Year Summer Research Assistantship**, 1999.