

Chadd C. Williams

2043 College Way
Forest Grove, OR 97116

chadd@pacificu.edu
<http://zeus.cs.pacificu.edu/chadd>

Office: (503) 352-3041

RESEARCH INTERESTS

Programming Languages, Program Analysis, Operating Systems, Sports Statistics, Open Source Development

EDUCATION

Ph.D., Computer Science, August 2006, University of Maryland, College Park, MD
Thesis Title: Using Historical Data From Source Code Revision Histories to Detect Source Code Properties

M.S., Computer Science, August 2002, University of Maryland, College Park, MD

B.S., Computer Science, May 1998, West Virginia University, Morgantown, WV

POSITIONS HELD

2012-	Associate Professor, Computer Science, Pacific University, Forest Grove, Oregon
2006-2012	Assistant Professor, Computer Science, Pacific University, Forest Grove, Oregon
1999-2006	Graduate Research Assistant, Department of Computer Science, University of Maryland, College Park
1998-1999	Graduate Teaching Assistant, Department of Computer Science, University of Maryland, College Park

SCHOLARSHIP

PEER-REVIEWED PAPERS. STUDENT AUTHORS UNDERLINED

Maggie Wigness, Chadd Williams, Mike Rowell, A New Iterative Method for Ranking College Football Teams
Journal of Quantitative Analysis in Sports: Vol. 6 : Iss. 2, Article 7.

Chadd Williams and Jaime Spacco, Lightweight Techniques for Tracking Unique Program Statements, In
Proceedings of the Ninth IEEE International Working Conference on Source Code Analysis and Manipulation.
SCAM September 2009.

Chadd Williams and Jaime Spacco, Branching and merging in the repository. In *Proceedings of the 2008 International Working Conference on Mining Software Repositories* (Leipzig, Germany, May 10 - 11, 2008). MSR '08. ACM, New York, NY, 19-22.

Chadd Williams and Jaime Spacco, *SZZ revisited: verifying when changes induce fixes*. In *Proceedings of the 2008 Workshop on Defects in Large Software Systems* (Seattle, Washington, July 20 - 20, 2008). DEFECTS '08. ACM, New York, NY, 32-36.

Chadd Williams and Jeffrey K. Hollingsworth, *Automatic Mining of Source Code Repositories to Improve Bug Finding Techniques* *IEEE Transactions on Software Engineering*, 31(6), June 2005.

Chadd Williams and Jeffrey K. Hollingsworth, *Using Historical Information To Improve Bug Finding Techniques*, In *Proceedings of Workshop on the Evaluation of Software Defect Detection Tools*, Position Paper, June 2005.

Chadd Williams and Jeffrey K. Hollingsworth, *Recovering System Specific Rules from Software Repositories*, In *Proceedings of International Workshop on Mining Software Repositories*, May 2005.

Chadd Williams and Jeffrey K. Hollingsworth, *Bug Driven Bug Finders*, In *Proceedings of International Workshop on Mining Software Repositories*, May 2004.

Chadd Williams and Jeffrey K. Hollingsworth, *Interactive Binary Instrumentation*, In *Proceedings of ICSE Workshop on Remote Analysis and Measurement of Software Systems*, May 2004.

GRANTS. PEER-REVIEWED, INTERNAL

Chadd Williams, Mike Rowell (2009): *College Football Rankings Analysis*; Pacific Research Institute for Science and Mathematics (PRISM) Summer Research Grants, College of Arts & Sciences, Pacific University

Chadd Williams, Mike Rowell (2009): *Data Mining to Find Buggy Software Updates*; Pacific Research Institute for Science and Mathematics (PRISM) Summer Research Grants, College of Arts & Sciences, Pacific University

Chadd Williams (2008): *Change Annotated Software Repository Viewer*; Pacific Research Institute for Science and Mathematics (PRISM) Summer Research Grants, College of Arts & Sciences, Pacific University

STUDENT POSTERS, NOT PEER-REVIEWED

Maggie Wigness, Mike Rowell, Chadd Williams, *Ranking College Football Teams*, Pacific University Science Conference, 2009

Jeff Mazar, Mike Rowell, Chadd Williams, *Data Mining For Buggy Source Code*, Pacific University Science Conference, 2009

Jesse Dubay, Chadd Williams, Jaime Spacco, *Visualizing Software Changes*, Pacific University Science Conference, 2008

TEACHING

2006- Pacific University
CS 120 The Information Era

CS 121 Our Digital World
CS 130 Introduction to Software Tools
CS 150 Introduction to Computer Science I
CS 300 Datastructures
CS 310 Theoretical Computer Science
CS 360 Special Topics: Networking in C
CS 360 Special Topics: Networking in Android
CS 360 Special Topics: Open Source Software Development
CS 380 Algorithms Analysis and Design
CS 445 Introduction to Database Systems
CS 460 Operating Systems
CS 480 Principles of Compiler Design
CS 490 Senior Capstone I
CS 492 Senior Capstone II
MATH 122 College Algebra

2003-2004 Tutor, University of Maryland, College Park, MD
Student Community for Outreach, Retention & Excellence

1998-1999 Teaching Assistant, University of Maryland, College Park, MD
CMSC 214, Computer Science II

SERVICE

2014 - present University Finance Committee
2013 (Fall) Department of Mathematics and Computer Science Department Chair
2012-2013 Member, Arts and Science Curriculum Committee
2012 PaceSetters Problem Solving Exam Committee Chair
2012 Interviewed candidate for Adjunct position in Mathematics
2011 Member, Accounting Search Committee
2011 Member, PRISM Summer Research Grant Review Committee
2010 Member, Educational Technologist Search Committee
2010-2012 Secretary, University Technology Committee
2009 Member, Social Work Search Committee
2008-2009 Faculty Advisor, Computer Science Club
2008-2011 Member, PaceSetters Exam Writing Committee & Proctor
2008- Member, University Technology Committee
2008- Library Liaison for Computer Science
2008 Interviewed candidates for Adjunct position in Computer Science
2008-2012 Assisted with Summer Registration