

**Cumulative Biobibliography**  
**University of California, Santa Cruz, CA**  
**May 31, 2013**  
**Linda L. Werner**  
**Lecturer and Adjunct Professor**  
**Computer Science Department**

**EMPLOYMENT**

- 2011–present Adjunct Professor, Department of Computer Science, University of California, Santa Cruz (UCSC)
- 2006–11 Associate Research Computer Scientist, Department of Computer Science, UCSC
- 2002–present Consultant, ETR (Education, Technology, Research) Associates, Scotts Valley, CA
- 2000–06, 1993-96, 1989-93 Assistant Research Computer Scientist, Department of Computer Science, UCSC
- 1993–94 Lecturer, Computer Science, Cabrillo College, Aptos, CA
- 1985–present Lecturer, Computer Science, Technology and Information Management, Information Systems Management, and Computer Engineering, UCSC
- 1984–85 Teaching Assistant, Dept. of Electrical Engineering and Computer Science, University of California, San Diego (UCSD)
- 1983 Research Assistant, Dept of Electrical Engineering and Computer Science, UCSD
- 1980–82 Senior Systems Consultant, Wang Laboratories, Inc., San Diego, CA
- 1979–80 Senior Training Specialist, Wang Laboratories, Inc., Burlington, MA
- 1977–79 Software Instructor, Data General Corporation, Southboro, MA
- 1976–77 Systems Analyst, New England Electric Service Company, Westboro. MA
- 1974–76 Systems Analyst, Massachusetts Mutual Life Insurance Company, Springfield, MA
- 1973–74 Secondary Mathematics Teacher, Tourtelotte High School, North Grosvernordale, CT

**EDUCATION**

- 1988 Ph.D. University of California, San Diego, Computer Science
- 1983 M.S. University of California, San Diego, Computer Science
- 1973 B.A. Clark University, Worcester, MA, Mathematics

**PROFESSIONAL COMPETENCE AND ACTIVITY**

- 2012 NSF, - “GSE/RES: Students’ Pathways into Computer and Information Sciences Majors: A Study of Community College Men and Women”, December 2012, amendment \$99,991.
- 2012 Professional Development Mini-Grant, University of California, Santa Cruz, - “Attend Consortium of Computing Sciences in Colleges Conference”, \$372.85.
- 2010 NSF, - “GSE/RES: Students’ Pathways into Computer and Information Sciences Majors: A Study of Community College Men and Women”, January 2010 - December 2012, \$499,998.
- 2009 NSF, - “The Development of Computational Thinking among Middle School Students Creating Computer Games”, July 2009 - June 2012 \$1,092,908.
- 2000 NSF, - “Retaining Women in Computer Science Programs: Impact of Pair-Programming”, \$236,799.

## RESEARCH INTERESTS

Software Engineering and Computer Science Education at the university and K-12 levels; Computational Thinking Development at the K-12 levels; Software Engineering; Program Verification; Computer-User Interface Design; Computers, Society, and Gender Issues; Computer Literacy; Usability Engineering.

## PUBLISHED WRITINGS AND CREATIVE ACTIVITIES

1. Jill Denner, Linda Werner, Shannon Campe, and Eloy Ortiz, "Using Game Mechanics to Measure What Students Learn," In *7th European Conference on Games Based Learning (ECGBL), Porto, Portugal*. Accepted for publication, 2013.
2. Linda Werner, Charlie McDowell, and Jill Denner, "A First Step in Learning Analytics: Pre-processing Low-Level Alice Logging Data of Middle School Students," *Journal of Educational Data Mining*. In Press, 2013.
3. Linda Werner, Geoff Kuenning, Mark Sebern, Jim Vallino, and Eric Wong, "Software Engineering Education via the use of Corporate-Sponsored Projects: A Panel Discussion of the Approaches, Benefits, and Challenges for Industry-Academic Collaboration," in *Software Engineering Education and Training, 2013. (CSEE&T 2013). IEEE 26th Conference on*. IEEE, 2013.
4. Linda Werner, Jill Denner, Shannon Campe, Eloy Ortiz, Dawn DeLay, Amy Hartl, and Brett Laursen, "Pair Programming for Middle School Students: Does Friendship Influence Academic Outcomes?," SIGCSE, March 2013.
5. Linda Werner, Charlie McDowell, and Jill Denner, "Middle School Students Using Alice: What Can we Learn from Logging Data?," SIGCSE, March 2013.
6. Jill Denner, Linda Werner, Jacob Martinez, and Steve Bean, "Computing Goals, Values, and Expectations: Results from an After-School Program for Girls" 2012 in *Journal of Women and Minorities in Science and Engineering*, 18(3), 199-213.
7. Delay, D., Hartl, A., Laursen, B., Denner, J., Werner, L., Campe, S., and Ortiz, E. "Learning from friends: Measuring influence in a dyadic computer instructional setting," accepted for special issue "Methodological Issues with the Measurement of Change in Education: The Use of Longitudinal Studies" in *International Journal of Research and Method in Education*. 2013.
8. Linda Werner, Jill Denner, and Lisa O'Connor, "Recruiting Women to Computer Science: Results from a Longitudinal Study of Community Colleges," submitted for presentation at *Conference of the American Educational Research Association, (AERA 2013)*, April 27-May 1, 2013, San Francisco, CA.
9. Jill Denner, Linda L. Werner, Michael Mateas, and Noah Wardrip-Fruin, "An Interdisciplinary Approach to Addressing Underrepresentation in Computer Science: Challenges and Lessons Learned," submitted for presentation at *Conference of the American Educational Research Association, (AERA 2013)*, April 27-May 1, 2013, San Francisco, CA.
10. Linda Werner, "Reflections on a 38 Year Career in Computer Science," *Association for Women in the Sciences - New Zealand - Newsletter*, August, 2012.
11. Shannon Campe, Linda Werner, and Jill Denner, "Game Programming with Alice," 2012. In P. Phillips, S. Cooper, and C. Stephenson, *CSTA Voice Special Issue Computer Science K-8: Building a Strong Foundation* (pp 13-14).
12. Jill Denner, Linda L. Werner, and Shannon Campe, "Children Programming Games: A Strategy for Measuring Computational Thinking," *Conference of the American Educational Research Association, (AERA 2012)*, April 2012, Vancouver, British Columbia, Canada.

13. Omar Ruvalcaba, Linda L. Werner, and Shannon Campe, "Computer-Based Collaboration in Middle School: A Sociocultural Perspective on Pair Programming with Mexican-Heritage and European-Heritage Students," *Conference of the American Educational Research Association, (AERA 2012)*, April 2012, Vancouver, British Columbia, Canada.
14. Linda Werner, Dominic Arcamone, and Ben Ross, "Using Scrum in a Quarter-Length Undergraduate Software Engineering Course," *Journal of Computing Sciences in Colleges*, 2012, Consortium for Computing Sciences in Colleges, USA.
15. Linda Werner, Jill Denner, and Lisa O'Connor, "Know Your Students to Increase Diversity: Results of a Study of Community College Women and Men in Computer Science Courses," *Journal of Computing Sciences in Colleges*, 2012, Consortium for Computing Sciences in Colleges, USA.
16. Linda Werner, Jill Denner, Shannon Campe, and Damon Chizuru Kawamoto, "The Fairy Performance Assessment: Measuring Computational Thinking in Middle School," 2012 SIGCSE.
17. Linda Werner, Shannon Campe, and Jill Denner, "Children Learning Computer Science Concepts via Alice Game-Programming," 2012 SIGCSE.
18. Jill Denner, Linda Werner, and Eloy Ortiz, "Computer Games Created by Middle School Girls: Can They be used to Measure Understanding of Computer Science Concepts?" accepted for publication, *Computers & Education*. Jan 2012, Vol. 58, No. 1. pp. 240-249.
19. Irene Lee, Fred Martin, Jill Denner, Bob Coulter, Walter Allen, Jeri Erickson, Joyce Malyn-Smith, Linda Werner, "Computational Thinking for Youth in Practice," *ACM Inroads*, Vol. 2, No. 1. 2011.
20. Jill Denner, Linda Werner, Steve Bean, and Jacob Martinez "Computing Goals, Values, and Expectations: Results from an IT-Intensive After-School Program for Latina Girls," accepted for publication in *Journal of Women and Minorities in Science and Engineering*.
21. Linda Werner, Jill Denner, "Pair Programming in Middle School: What does it look like?," *Journal of Research on Technology in Education*, Vol. 42, No. 1. 2009, pp. 29-49.
22. Linda Werner, Jill Denner, Michele Bliesner, and Pat Rex, "Can Middle School Students use Storytelling Alice to Make Games? Results of a Pilot Study," *Proceedings of the 4th International Conference on the Foundations of Digital Games (FDG 2009)*, April 2009, Port Canaveral, FL.
23. Jill Denner, Joyce Malyn-Smith, Linda Werner and Alyssa Na'im, "Information and Communications Technology Fluency: Defining and Measuring Standards in Middle School," *Conference of the American Educational Research Association, (AERA 2009)*, April 2009, San Diego, CA.
24. Jill Denner, Jacob Martinez, and Linda Werner, "Teaching Computer Game Design to Middle School Students," poster at *Game Developers' Conference*, March 2009, San Francisco, CA.
25. Jill Denner, Linda Werner, "Computer Programming in Middle School: How Pairs Respond to Challenges," *Journal of Educational Computing Research*, Vol. 37, No. 2. 2007.
26. Linda Werner, "The Impact of Pair Programming on Women Students," poster at *Grace Hopper Celebration of Women in Computing*, October 2006, San Diego, CA.
27. Charlie McDowell, Linda Werner, Heather Bullock, and Julian Fernald, "Pair Programming Improves Student Retention, Confidence, and Program Quality," *Communications of the ACM*, August 2006, Vol. 49, Issue 8, pp. 90-95.
28. Linda Werner, Brian Hanks, and Charlie McDowell, "Pair Programming and Gender," chapter in book *Encyclopedia of Gender and Information Technology*, editor: Eileen M. Trauth. Idea Group, Inc., Information Science Reference: 2006.
29. Linda Werner and Jill Denner, "Pair Programming Video," *CSTA Voice*, Volume 2, Issue 2, September, 2006, p. 5.

30. Jill Denner, Steven Bean, Linda Werner, and Marigold Fine, "Examples of Pair Programming," 12 minute, 10 second video by Full Circle Productions and ETR Associates. 2006.
31. Linda Werner, Jill Denner, and Shannon Campe, "IT Fluency From a Project-Based Program for Middle School Students," *Journal of Computer Science Education Online*, October, Issue 5, 2005-2006.
32. Linda Werner and Jill Denner, "Gender and the Digital Divide," book review of *Gender and Computers: Understanding the Digital Divide* by Joel Cooper and Kimberlee D. Weaver, *American Journal of Psychology*, Winter 2005, Vol. 118, No. 4, pp. 639-645.
33. Linda Werner, Shannon Campe, and Jill Denner, "Middle School Girls + Games Programming = Information Technology Fluency," Proceedings of the Conference on Information Technology Education *SIGITE 2005*, October 2005.
34. Shannon Campe, Linda L. Werner, and Jill Denner, "Information Technology Fluency for Middle School Girls," Proceedings of the *Eighth IASTED International Conference on Computers and Advanced Technology in Education*, August 2005.
35. Jill Denner, Steve Bean, and Linda Werner, "Girls Creating Games: Challenging Existing Assumptions about Game Content," Proceedings of the *DiGRA 2005 Conference: Changing Views- Worlds in Play*, June 2005.
36. Linda Werner, Brian Hanks, Charlie McDowell, Heather Bullock, and Julian Fernald, "Want to Increase Retention of Your Female Students?," Computing Research News: Expanding the Pipeline Column, March 2005, 17(2).
37. Charlie McDowell and Linda Werner, "Significant findings regarding computer science major retention when pair programming is used in introductory programming courses for both women and men?" poster presentation, Technical Symposium on Computer Science Education *SIGCSE 2005*, February 2005.
38. Linda Werner and Jill Denner, "Are there Gender Differences in the Way People Program?" poster presentation, Technical Symposium on Computer Science Education *SIGCSE 2005*, February 2005.
39. Linda Werner, Brian Hanks, and Charlie McDowell, "Female Computer Science Students Who Pair Program Persist," *Journal of Educational Resources in Computing (JERIC)*, March 2004, 4(1), published April, 2005.
40. Jill Denner, Linda Werner, Steve Bean, and Shannon Campe, "The Girls Creating Games Program: Strategies for Engaging Middle School Girls in Information Technology," *Frontiers: A Journal of Women's Studies Special Issue of Gender and IT*, Vol 26, No. 1, 2005.
41. Linda L. Werner, Jill Denner, and Steve Bean, "Pair Programming Strategies for Middle School Girls," Proceedings of the *Seventh IASTED International Conference on Computers and Advanced Technology in Education*, August 2004.
42. Laurie Williams, Charlie McDowell, N. Nagappan, Julian Fernald, and Linda Werner, "Building Pair Programming Knowledge through a Family of Experiments," Proceedings of the *IEEE International Symposium Empirical Software Engineering ISESE'03*, September 2003, pp. 143-152.
43. Charlie McDowell, Brian Hanks, and Linda Werner, "Experimenting with Pair Programming in the Classroom," *Proceedings of the 8th Annual Conference on Innovation and Technology in Computer Science Education ITiCSE*, July 2003.
44. Charlie McDowell, Linda Werner, Heather Bullock, and Julian Fernald, "The Impact of Pair Programming on Student Performance, Perception and Persistence," Proceedings of the *International Conference on Software Engineering*, May 2003.

45. Delbert Bailey, Tracey Conn, Brian Hanks, and Linda Werner, "Can We Influence Attitudes About Inspections? Can We Measure a Change in Attitude?," Proceedings of the 16th Conference on Software Engineering Education and Training *CSEET'03*, March 2003.
46. Charlie McDowell, Brian Hanks, and Linda Werner, "What Constitutes a "Better" Student Program?," poster presentation, Technical Symposium on Computer Science Education *SIGCSE 2003*, February 2003.
47. Charlie McDowell, Heather Bullock, Julian Fernald, and Linda Werner, "The Effects of Pair-Programming on Performance in an Introductory Programming Course," *Proceedings of 33rd Technical Symposium on Computer Science Education SIGCSE*, 27 Feb.-3 March 2002, p. 38-42. ACM Press.
48. Charlie McDowell, Linda Werner, Heather Bullock, and Julian Fernald, "Retaining Women in Computer Science: The Impact of Pair Programming," *Presentation at NSF Information Technology Workforce/Information Technology Research Meeting*, College Park, Maryland, October 20-22, 2002.
49. Jennifer Bevan, Linda Werner, and Charlie McDowell, "Guidelines for the Use of Pair Programming in a Freshman Programming Class," Proceedings of the *15th Conference on Software Engineering Education and Training*, Covington, Kentucky, February 2002.
50. Charlie McDowell, Heather Bullock, Julian Fernald, and Linda Werner, "A Study of Pair-Programming in an Introductory Programming Course," Proceedings of the *33rd SIGCSE Technological Symposium on Computer Science Education*, Northern Kentucky, Feb 27-Mar 3, 2002.
51. Donna Stidolph and Linda Werner, "An Undergraduate Software Engineering Project Course at UCSC," *Forum for Advancing Software Engineering Education*, Volume 11, Number 6, June 2001.
52. Marc Mosko, Hong Jiang, Arindam Samanta, Linda Werner, "COTS Software Acquisition Meta-Model," *Continuing Collaborations for Successful COTS Development Workshop at 22nd International Conference of Software Engineering*, Limerick, Ireland, June 2000.
53. Linda Werner, "A Graduate Course in Software Engineering," Proceedings of the *13th Conference on Software Engineering Education and Training*, Austin, Texas, March 2000, page 194.
54. Dorrit Gordon and Linda Werner, "An Empirical Study of Software Porting Obstacles," University of California, Santa Cruz Technical Report UCSC-CRL-99-07, June 1999.
55. John Panzer and Linda Werner, "An Experimental Comparison of New Property List Designs," University of California, Santa Cruz Technical Report UCSC-CRL-95-43, December 1995.
56. Melissa Cline and Linda Werner, "Experiences in Measuring the Branch Coverage of Regression Test," Proceedings of the *California Software Symposium*, Irvine, California, March 1995.
57. Linda L. Werner and William E. Howden, "An Investigation of the Applicability of Data Usage Analysis," *Journal of Systems and Software*, July 1991.
58. Linda L. Werner, "Fault Detection in Production Programs by means of Data Usage Analysis," Department of Computer Science and Engineering, University of California, San Diego, Ph.D. Thesis, June 1988.
59. Linda L. Werner, "A Study of 'Hard to Find' Data Processing Errors," (an extended abstract), *ACM 14th Computer Science Conference*, Cincinnati, Ohio, February 1986.
60. L. L. Werner, W. A. Burkhard, R. C. Ord, J-F. Paris, "C Programming for Pascal Programmers," September 1983.

## PROFESSIONAL SERVICE

### Participation in Public Lectures, Panels, Forums, and Conferences

- 2013 Committee Member for Grace Hopper Celebration of Women in Computing, Media and Entertainment Track. Minneapolis, MN. Oct 2-5, 2013.
- 2012 Reviewer for *NSF - CE21 Computer Education Research Proposals*, Arlington, VA, June 25-26, 2012.
- 2012 Jill Denner, Linda Werner, and Shannon Campe, "Children Programming Games: A Strategy for Measuring Computational Thinking," in Symposium titled "Examining Computational Thinking in the Field," *AERA Conference* April 2012.
- 2012 Omar Ruvalcaba, Linda Werner, Shannon Campe, and Jill Denner, "Computer-based Collaboration in Middle School: A Sociocultural Perspective on Pair Programming With Mexican-Heritage and European-Heritage Students," in Symposium titled "Schooling in Middle and Then in High School: Studying the Importance of School Settings," *AERA Conference* April 2012.
- 2012 Linda Werner, "Game Programming for 12 Year Olds," invited lecture January 2012, University of Canterbury, Christchurch, New Zealand.
- 2011 Jill Denner and Linda Werner, "Community College Women in Computer Science: Results of a Study," in *Grace Hopper Celebration of Women in Computing*. November 2011, Portland, OR.
- 2011 Jill Denner and Linda Werner, "Measuring Computational Thinking in Middle School using Game Programming," in Symposium titled "Merging Human Creativity and the Power of Technology: Computational Thinking in the K-12 Classroom" *AERA Conference* April 2011.
- 2011 Jill Denner and Linda Werner, "Strategies for Engaging Middle School Students in Computational Thinking," in Symposium titled "Computational Thinking - Progress in Defining, Supporting and Measuring Computational Thinking in Projects Funded by NSF's Division of Research on Learning" *AERA Conference* April 2011.
- 2010 Invited panelist with Jill Denner, "Broadening Participation in Computing, Stanford Learning Sciences and Technology Design, Stanford School of Education, January 2011.
- 2010 Invited panelist with Jill Denner, "Computational Thinking in K-12: Defining the Space." *Society for Information Technology and Teacher Education*, April, 2010.
- 2010 Co-PI with invited panelist Jill Denner, "The Development of Computational Thinking among Students Programming Games." *Computational Thinking for Everyone Workshop at The National Academies*, February, 2010.
- 2009 Invited panelist at *CPATH - Computational Media: Creating a 21st Century Curriculum for Games and Playable Media. An NSF-CPATH workshop for panel titled Broadening Participation at the pre-college level: Ten year of study*, University of California, Santa Cruz, Nov 19-20, 2009.
- 2009 Reviewer for *NSF - Scholarships in Science, Technology, Engineering, and Mathematics (S-STEM) Proposals*, Arlington, VA, Nov 4-6, 2009.
- 2009 Jill Denner, Linda Werner, and Pat Rex, "Teaching Computer Game Design Using Storytelling Alice," Bring Your Own Laptop workshop presentation at *National Educational Computing Conference (NECC)*, June-July 2009, Washington, DC.
- 2009 Participant at the *Fifth Annual May Meetings of the National Center for Women and Information Technology (NCWIT)*, May 12-14, 2009, Mountain View, California.

- 2009 Invited poster at *REESE PI meeting: From Discovery and Innovation to Transformations in Education, Learning Research, and Evaluation: Contributions and Emerging Knowledge from the REESE Program*. February 18-19, 2009. Poster titled “SGER: Storytelling Alice and Game Design in Middle School,” by Jill Denner, Michele Bliesner, Pat Rex, and Linda Werner.
- 2005 Invited panelist at *ITWF Spring Meeting for panel titled “Dissemination through K-12,”* topic was presentation of draft of video of pair programming, April 2-4, 2006.
- 2005 Invited Speaker at *ACM Java Engagement for Teacher Training (JETT): A Program for HS CS Educators - “Introduction to Pair Programming,”* August 2005, Dan Lewis director at Santa Clara University.
- 2004 Invited Speaker at *ITWF/ITR Workforce PI’s meeting - “Retaining Women in Computer Science: The Impact of Pair Programming Project Update,”* October 2004, Pennsylvania State University, report co-authored with C. McDowell, H. Bullock, and J. Fernald.
- 2003 Invited Speaker at *ITWF Workshop on Women and Minorities in Computer Science - “Impact of Pair Programming on a Student’s Performances, Perceptions and Persistence,”* August 2003, University of Colorado at Boulder.
- 2001 *Information Technology Workforce NSF Panel Member*, Arlington, Virginia, May 14.
- 2001 *Expanding Your Horizons Workshop Presenter*, University of California, Santa Cruz, March 31.
- 1999 *12th Conference on Software Engineering Education and Training*, New Orleans, Louisiana, March 22–24.
- 1997 *10th Conference on Software Engineering Education and Training*, Virginia Beach, April 13–16.  
Moderator for sessions at *Software Engineering Process Group Conference*, San Jose, California, March 17–20.
- 1996 *9th Conference on Software Engineering Education*, Daytona Beach, Florida, April 21–24.
- 1995 *8th Conference on Software Engineering Education*, New Orleans, Louisiana, Mar 29–Apr 1.
- 1990–91 Treasurer for Symposium on Testing, Analysis, and Verification.
- 1985 Invited Talk - Oregon Graduate Center, “Fault Detection in COBOL Programs by Means of Data Usage Analysis”, May 1988.

### **Membership and Activities in Professional Associations**

Member, Association for Computing Machinery (ACM)  
Member, Computer Science Teachers Association (CSTA)  
University Council - American Federation of Teachers

### **Referee for Journal Publications, Conferences, and Organizations**

IEEE Computer  
IEEE Software  
IEEE Transactions on Software Engineering  
IEEE Transactions on Parallel and Distributed Systems  
IEEE Transactions on Education  
ACM Journal of Educational Resources in Computing  
ACM Transactions on Computing Education  
ACM Transactions on Computer Human Interaction  
AACE Journal of Technology and Teacher Education  
IET Software

Computer Professionals for Social Responsibility Student Paper Contest  
 Software Engineering Body of Knowledge Project (IEEE-CS/ACM Joint Project)  
 Software Engineering Process Group Conference  
 National Center for Women and Information Technology Aspiration Awards  
 Conference on Software Engineering Education and Training  
 Conference on Innovation and Technology in Computer Science Education  
 Conference on Computer Science Education  
 Science Fair Judge, County of Santa Cruz, California  
 Science Fair judge, Pacific Collegiate School, Santa Cruz, CA  
 Dare 2B Digital Conference volunteer 2010, Foothill College, Los altos Hills, CA

## UNIVERSITY SERVICE

### University Committees

1994 CAMP/MESA, UCSC/Cabrillo Summer Research Workshop  
 1997 Fall Family Fair Planning Committee  
 2000 School of Engineering, Software Engineering Faculty Search Committee  
 2002 Porter Academic Standing Committee member  
 2010 Porter Academic Standing Committee member

### TEACHING 1985–1986

				Enrolled	%Eval	Retd	Shared?
Fall	CIS	101	Data Structures	66		64	No
Fall	CIS	301	Supervised Teaching Experience	1		0	No
Spring	CIS	115	Software Methodology	9		89	No
Spring	CIS	301	Supervised Teaching Experience	1		0	No

### TEACHING 1987–1988

				Enrolled	%Eval	Retd	Shared?
Spring	CIS	115	Software Methodology	38		82	No
Spring	CIS	301	Supervised Teaching Experience	1		0	No

### TEACHING 1988–1989

				Enrolled	%Eval	Retd	Shared?
Fall	CIS	12a	Introduction to Programming	87		49	No
Fall	CIS	301	Supervised Teaching Experience	4		75	No
Winter	CIS	80a	Computers in Society	55		39	No
Winter	CIS	111	Operating Systems	45		69	No
Winter	CIS	301	Supervised Teaching Experience	2		50	No
Spring	CIS	115	Software Methodology	37		78	No
Spring	CE	276	Software Engineering	5		80	No
Spring	CIS	301	Supervised Teaching Experience	1		100	No



### TEACHING 1989–1990

				Enrolled	%Eval Retd	Shared?
Fall	CIS	12a	Introduction to Programming	70	60	No
Fall	CIS	195	Senior Thesis Research	1	0	No
Fall	CE	276	Software Engineering	5	60	No
Fall	CIS	297	Independent Study/Research	1	0	No
Fall	CIS	301	Supervised Teaching Experience	3	67	No
Winter	CIS	80a	Computers in Society	71	41	No
Winter	CIS	195	Senior Thesis Research	1	0	No
Winter	CIS	198	Independent Study/Research	1	0	No
Winter	CIS	297	Independent Study/Research	1	0	No
Winter	CIS	301	Supervised Teaching Experience	1	100	No
Spring	CIS	115	Software Methodology	28	79	No
Spring	CIS	297	Independent Study/Research	3	0	No
Spring	CIS	301	Supervised Teaching Experience	1	100	No

### TEACHING 1990–1991

				Enrolled	%Eval Retd	Shared?
Fall	CIS	12a	Introduction to Programming	52	63	No
Fall	CIS	299	Thesis Research	2	0	No
Fall	CIS	301	Supervised Teaching Experience	2	0	No
Winter	CIS	002	Computer Literacy	91	55	No
Winter	CIS	299	Thesis Research	1	0	No
Winter	CIS	301	Supervised Teaching Experience	2	100	No
Spring	CIS	115	Software Methodology	33	52	No
Spring	CIS	301	Supervised Teaching Experience	1	0	No

### TEACHING 1991–1992

				Enrolled	%Eval Retd	Shared?
Fall	CIS	002	Computer Literacy	129	65	No
Fall	CIS	301	Supervised Teaching Experience	3	100	No
Spring	CIS	115	Software Methodology	54	60	No
Spring	CIS	301	Supervised Teaching Experience	1	100	No

### TEACHING 1992–1993

				Enrolled	%Eval Retd	Shared?
Fall	CIS	12a	Introduction to Programming	97	61	No
Fall	CIS	198	Independent Study/Research	1	0	No
Fall	CIS	301	Supervised Teaching Experience	2	100	No
Winter	CIS	12a	Intro to Data Structures	63	71	No
Winter	CIS	301	Supervised Teaching Experience	1	100	No
Spring	CIS	115	Software Methodology	21	52	No
Spring	CIS	198	Independent Study/Research	1	0	No
Spring	CIS	301	Supervised Teaching Experience	1	0	No

### TEACHING 1993–1994

				Enrolled	%Eval Retd	Shared?
Fall	CE	276	Software Engineering	15	87	No
Winter	CIS	60N	Programming for Natural Sciences	76	68	No
Winter	CIS	301	Supervised Teaching Experience	2	0	No
Spring	CIS	115	Software Methodology	30	76	No
Spring	CIS	301	Supervised Teaching Experience	1	0	No

### TEACHING 1994–1995

				Enrolled	%Eval Retd	Shared?
Fall	CE	276	Software Engineering	15	73	No
Winter	CIS	299	Thesis Research	2	0	No
Spring	CIS	115	Software Methodology	19	89	No
Spring	CIS	299	Thesis Research	2	0	No
Spring	CIS	301	Supervised Teaching Experience	1	0	No

### TEACHING 1995–1996

				Enrolled	%Eval Retd	Shared?
Fall	CE	276	Software Engineering	21	95	No
Winter	CE	297	Independent Study/Research	1	0	No
Spring	CIS	115	Software Methodology	16	94	No
Spring	CE	297	Independent Study/Research	1	0	No
Spring	CIS	301	Supervised Teaching Experience	1	0	No

### TEACHING 1996–1997

				Enrolled	%Eval Retd	Shared?
Fall	CE	276	Software Engineering	22	100	No
Fall	CE	299	Thesis Research	2	0	No
Spring	CS	115	Software Methodology	25	76	No
Spring	CS	301	Supervised Teaching Experience	1	0	No

### TEACHING 1997–1998

				Enrolled	%Eval Retd	Shared?
Fall	CE	276	Software Engineering	14	100	No
Fall	CE	297	Independent Study/Research	1	0	No
Winter	CE	297	Independent Study/Research	1	0	No
Spring	CS	115	Software Methodology	27	81	No
Spring	CS	198	Independent Study/Research	1	0	No
Spring	CS	301	Supervised Teaching Experience	1	0	No

### TEACHING 1998–1999

				Enrolled	%Eval Retd	Shared?
Fall	CE	276	Software Engineering	22	95	No
Fall	CS	297	Independent Study/Research	1	0	No

Winter	CS	115	Software Methodology	9	0	No
Winter	CS	301	Supervised Teaching Experience	1	0	No
Winter	CS	299	Thesis Research	2	0	No
Spring	CS	115	Software Methodology	26	85	No

#### TEACHING 1999–2000

				Enrolled	%Eval	Retd	Shared?
Fall	CE	276	Software Engineering	22	95	No	
Fall	CS	297	Independent Study/Research	1	0	No	
Winter	CS	115	Software Methodology	22	86	No	
Winter	CS	301	Supervised Teaching Experience	1	0	No	
Winter	CS	299	Thesis Research	2	0	No	
Spring	CS	115	Software Methodology	29	66	No	
Spring	CS	301	Supervised Teaching Experience	1	0	No	

#### TEACHING 2000–2001

				Enrolled	%Eval	Retd	Shared?
Fall	CS	115	Software Methodology	14	93	No	
Fall	CS	301	Supervised Teaching Experience	1	0	No	
Winter	CE	276	Software Engineering	15	93	No	
Winter	CS	297	Independent Study/Research	1	0	No	
Winter	CS	299	Thesis Research	2	0	No	
Spring	CS	115	Software Methodology	38	79	No	
Spring	CS	301	Supervised Teaching Experience	1	0	No	
Spring	CS	198	Independent Study/Research	2	0	No	
Spring	CS	297	Independent Study/Research	2	0	No	

#### TEACHING 2001–2002

				Enrolled	%Eval	Retd	Shared?
Winter	CS	297	Thesis Research	1	0	No	
Spring	CS	115	Software Methodology	26	62	No	
Spring	CS	301	Supervised Teaching Experience	1	0	No	
Spring	CS	299	Thesis Research	2	0	No	

#### TEACHING 2004–2005

				Enrolled	%Eval	Retd	Shared?
Spring	CS	115	Software Methodology	33	76	No	

#### TEACHING 2005–2006

				Enrolled	%Eval	Retd	Shared?
Spring	CS	115	Software Methodology	26	54	No	

**TEACHING 2006–2007**

				Enrolled	%Eval Retd	Shared?
Spring	CS	115	Software Methodology	11	100	No

**TEACHING 2007–2008**

				Enrolled	%Eval Retd	Shared?
Winter	CS	115	Software Methodology	8	100	No
Spring	ISM	158	Business Information Strategy	21	86	No

**TEACHING 2008–2009**

				Enrolled	%Eval Retd	Shared?
Winter	CS	115	Software Methodology	24	79	No
Spring	ISM	158	Business Information Strategy	44	75	No

**TEACHING 2009–2010**

				Enrolled	%Eval Retd	Shared?
Winter	CS	115	Software Methodology	38	97	No
Winter	CS	198	Independent Study/Research	2	0	No
Spring	CS	198	Independent Study/Research	1	0	No

**TEACHING 2010–2011**

				Enrolled	%Eval Retd	Shared?
Fall	CS	115	Software Methodology	30	83	No
Winter	CS	195	Sr. Thesis Research	1	0	No
Winter	ISM	58	Analysis and Design	55	?	No
Spring	ISM	50	Business Information Systems	106	?	No
Spring	CS	195	Sr. Thesis Research	1	?	No

**TEACHING 2011–2012**

				Enrolled	%Eval Retd	Shared?
Fall	CS	115	Software Methodology	35	83	No
Spring	TIM	50	Business Information Systems	83	?	No

**TEACHING 2012–2013**

				Enrolled	%Eval Retd	Shared?
Fall	CS	115	Software Methodology	40	?	No
Fall	CS	198	Independent Study/Research	1	0	No
Winter	CS	116	Senior Design Projects	20	?	No
Winter	CS	198	Independent Study/Research	1	0	No
Spring	CS	117	Senior Design Projects	20	?	No
Spring	CS	198	Independent Study/Research	3	0	No

## **OTHER TEACHING**

### **Ph.D. Theses Committee Member**

- |      |                  |  |
|------|------------------|--|
| 2005 | Brian Hanks      | “Tool Support for Distributed Pair Programming”              |
| 1999 | Clarke Steinback | “Computer Generated Fingerspelling for Assistive Technology” |

### **Ph.D. Qualifying Exam Committee Member**

- |      |                  |    |
|------|------------------|----|
| 2002 | Steve Fonseca    | CS |
| 1999 | Clarke Steinback | CS |

### **Masters Theses Supervised**

- |      |                  |   |
|------|------------------|---|
| 2002 | Tracey Conn      | “Experiment in Software Best Practices”                                     |
| 1999 | Dorrit Gordon    | “Software Porting: Process and Problems”                                    |
| 1999 | Steven Fonseca   | “Object-Oriented Framework Documentation”                                   |
| 1997 | Cynthia Hertzner | “A Case Study of Software Process Assessment and Improvement”               |
| 1995 | John Panzer      | “Property Lists: An Experimental Comparison of New Property Editor Designs” |
| 1995 | Melissa Cline    | “An Empirical Study of the Branch Coverage of Different Fault Classes”      |
| 1991 | Don Fong         | “Configman, A Practical System for Configuration Management”                |

### **M.S. Theses Committee Member**

- |      |                 |   |
|------|-----------------|---|
| 1998 | Nineta Vitan    | “The Design and Implementation of a Graphical User Interface for an Intelligent Electronic Assistant” |
| 1996 | James Rodden    | “The Design of a User Interface for an Interactive Simulation Environment”                            |
| 1993 | Louis Goldstein | “The Design and Prototype of an Interactive Browser Interface to an Electronic Library”               |
| 1992 | Paul Ostler     | “Equational Reasoning”  |
| 1990 | Sadhana Jain    | “An Abstract User Interface Model for the Separation of the Interface from the Application”           |

### **Sr. Theses Advisor**

- |      |             |  |
|------|-------------|--|
| 2011 | B. Smith    | “Effect of Pair Programming on Middle Schoolers”           |
| 1999 | T. Gilman   | “Discussion of the Migration of Fractint to the Macintosh” |
| 1990 | S.D. Harris | “C++ Text Windowing Library, text_win”                     |

### **Sr. Theses Reader**

- |              |   |
|--------------|---|
| W. Paul Zola | “The Morph Report: A Pattern-Based Self-Teaching Chess Program” |
|--------------|---|

### Dean's Award Supervisor

2012	Maria Arbuzova	"PsySlug"
2012	Nick Lutz	"PsySlug"
2012	Valid Maximov	"PsySlug"
2012	Maria Mishkova	"PsySlug"
2012	Brian Nguyen	"PsySlug"
2010	Casey De La Vega-Rawson	"MeetUp: An Android Phone Application"
2010	Vladimir Kozyrev	"MeetUp: An Android Phone Application"
2010	Guy Oron	"MeetUp: An Android Phone Application"
2010	Matthew Payne	"MeetUp: An Android Phone Application"
2010	Josie Clemance Sayegh	"MeetUp: An Android Phone Application"
2010	Trevor Scott	"MeetUp: An Android Phone Application"
2009	Daniel Core	"Super Hamster Ball 2D"
2009	Tom Freeman	"Super Hamster Ball 2D"
2009	Alex Glick	"Super Hamster Ball 2D"
2009	Nick Green	"Super Hamster Ball 2D"
2008	Erik Petersen	"GPXCleaner"
2008	Oliver Threshie	"GPXCleaner"
2005	James Sheldon	"Silicon Valley: The Solution to American Economic Malaise or the "Valley of the Toxic Fright"?"
2001	Sandra Chu	"Software Design and Development of the Columns Game"
2001	Nathan Thompson-Amato	"Software Design and Development of the Columns Game"
2001	Bryan Wells	"Software Design and Development of the Columns Game"
2001	Ricky Schults	"Software Design and Development of the Columns Game"

### Chancellor's Award Supervisor

2008	Erik Petersen	"GPXCleaner"
2008	Oliver Threshie	"GPXCleaner"
1990	S.D. Harris	"C++ Text Windowing Library, text_win",

### Advisor/Mentor to Undergraduate Students in 2013

2013	Alesandra Roger	“Analysis of the Quality of Collaboration amongst Middle School Students using Pair Programming” Grace Hopper Celebration of Women in Computing
2013	Lauren Scott	“From 0 to Microsoft: A Student’s Guide to Breaking onto the Games Industry” Grace Hopper Celebration of Women in Computing
2013	Brittany Arthur	“Effectiveness of Educational STEM Games Based on Evaluation of Core Mechanics using Bloom’s Taxonomy” Grace Hopper Celebration of Women in Computing
2013	Kevin Perkins	“Mobile Motor Sizing App” UCSC Undergraduate Research Poster Symposium
2013	Sylvie Boenke-Bowden	“Mobile Motor Sizing App” UCSC Undergraduate Research Poster Symposium
2013	Nelson Pollard	“Mobile Motor Sizing App” UCSC Undergraduate Research Poster Symposium
2013	Dominic Amsden	“Mobile Motor Sizing App” UCSC Undergraduate Research Poster Symposium
2013	Cullen Glassner	“What2Watch” UCSC Undergraduate Research Poster Symposium
2013	Samuel Sanders	“What2Watch” UCSC Undergraduate Research Poster Symposium
2013	Quentin Rivers	“What2Watch” UCSC Undergraduate Research Poster Symposium
2013	Michelle Tsang	“Crowd-Sourced Image Rating Game” UCSC Undergraduate Research Poster Symposium
2013	Javeed Ghorbani	“Crowd-Sourced Image Rating Game” UCSC Undergraduate Research Poster Symposium
2013	Samuel Wu	“Crowd-Sourced Image Rating Game” UCSC Undergraduate Research Poster Symposium
2013	Adam Storm	“Crowd-Sourced Image Rating Game” UCSC Undergraduate Research Poster Symposium
2013	Thomas Miller	“Crowd-Sourced Image Rating Game” UCSC Undergraduate Research Poster Symposium
2013	Blaise Albuquerque	“Smart Search Widget Builder” UCSC Undergraduate Research Poster Symposium
2013	Castulo Ruiz	“Smart Search Widget Builder” UCSC Undergraduate Research Poster Symposium
2013	Rutherford Le	“Smart Search Widget Builder” UCSC Undergraduate Research Poster Symposium
2013	Prajan Chauhan	“Smart Search Widget Builder” UCSC Undergraduate Research Poster Symposium
2013	Sukhraj Singh	“Smart Search Widget Builder” UCSC Undergraduate Research Poster Symposium
2013	Inez Solis	“Collaborative Inclusiveness Among Novice Computer Programmers Varies with Gender” UCSC Undergraduate Research Poster Symposium
2013	Madelyn Low	“Collaborative Inclusiveness Among Novice Computer Programmers Varies with Gender” UCSC Undergraduate Research Poster Symposium

### Advisor/Mentor to Undergraduate Students rest

2012	Lyanne Rojas	“Analysis of the Quality of Collaboration amongst Middle School Students using Pair Programming” UCSC Summer Undergraduate Research Symposium
2012	Alesandra Roger	“Analysis of the Quality of Collaboration amongst Middle School Students using Pair Programming” UCSC Summer Undergraduate Research Symposium
2011	Dominic Arcamone	“Investigation of Game Mechanics and Patterns Used by Middle School Programmers” UCSC Summer Undergraduate Research Symposium
2011	Melanie Dickinson	“Investigation of Game Mechanics and Patterns Used by Middle School Programmers” UCSC Summer Undergraduate Research Symposium
2011	Dominic Arcamone	“Analyzing the Computational Complexity of Games Created by Middle School Students” UCSC Summer Undergraduate Research Symposium
2011	Melanie Dickinson	“Analyzing the Computational Complexity of Games Created by Middle School Students” UCSC Summer Undergraduate Research Symposium
2011	Steven Butkus	“Analyzing the Computational Complexity of Games Created by Middle School Students” UCSC Summer Undergraduate Research Symposium
2011	Anthony Lim	“Analyzing the Computational Complexity of Games Created by Middle School Students” UCSC Summer Undergraduate Research Symposium
2011	Kimberly Shannon	“Analyzing the Computational Complexity of Games Created by Middle School Students” UCSC Summer Undergraduate Research Symposium
2011	Ben Smith	“Analysis of Pair Programming with Middle School Students Making Games” UCSC Undergraduate Research Symposium
2010	Ben Smith	“Pair Programming’s Effects on Middle School Students” UCSC Undergraduate Research Symposium
2009	Daniel Core	“Creating Super Hamster Ball 2D” UCSC Undergraduate Research Symposium
2008	Erik Petersen	“GPXCleaner” UCSC Undergraduate Research Symposium
2008	Josep Valls	“GPXCleaner” UCSC Undergraduate Research Symposium
2001	James Sheldon	faculty sponsor for CPSR winning essay titled “Silicon Valley: The Solution to An Economic Malaise or the ”Valley of Toxic Fright?”
2001	Shannan Hsiao	speaker at SOE graduation ceremony