

Gerry Stahl
Professor Emeritus
College of Computing & Informatics
Drexel University
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Education

	University of Colorado	
1996-99	Postdoctoral Research Fellow	educational technology; educational psychology
1993	Ph.D. in Computer Science	dissertation: "Interpretation in Design" certificate in cognitive science
1990	M.Sc. in Computer Science	exams in artificial intelligence (AI), theory of computation, programming languages
	Northwestern University	
1975	Ph.D. in Philosophy	dissertation: "Heidegger and Marx"
1971	M.A. in Philosophy	
	University of Frankfurt	
1973	Graduate study	critical social theory
	University of Heidelberg	
1968	Graduate study	continental philosophy
	Massachusetts Institute of Technology (MIT)	
1967	B.S. in Humanities & Science	mathematics & philosophy

Professional Experience

	Professor Emeritus
Sept. 2014-	College of Computing & Informatics, Drexel University, Philadelphia, PA
	Research Full Professor
2012-2014	College of Computing & Informatics, Drexel University, Philadelphia, PA
	Associate Professor with tenure
2008-2012	The iSchool, Drexel University, Philadelphia, PA
	Associate Professor
2002-2008	College of Information Science & Technology, Drexel University, Philadelphia, PA
	Visiting Research Scientist
2001-2002	BSCW Development Team, CSCW Department, GMD & Fraunhofer Institute Bonn, Germany
	Assistant Research Professor
1999-2001	Department of Computer Science and Institute of Cognitive Science, Boulder, CO
	Post Doctoral Research Fellow
1996-1999	Center for LifeLong Learning & Design, Boulder, CO
	Director of Software R&D
1993-1996	Owen Research Inc., Boulder, CO
	Graduate Research Assistant
1990-1993	College of Environmental Design, Boulder, CO
	Intern Interface Developer
1990-1991	US West Advanced Technology, Denver & Boulder, CO
	Computer Science Instructor & Teaching Assistant
1989-1990	University of Colorado, Boulder, CO
	Executive Director
1984-1989	Community Computerization Project, Philadelphia, PA
	Neighborhood Development Planner
1979-1984	Southwest Germantown Community Development Corporation, Philadelphia, PA
	Community Organizer & VISTA Supervisor
1978-1979	Philadelphia Council of Neighborhood Organizations, Philadelphia, PA
	Systems Programmer
1974-1977	Temple University, Philadelphia, PA
1970-1974	Northwestern University, Evanston, IL
1969-1970	Temple University, Philadelphia, PA
	Applications Programmer
Summer 1966	Brown Bovari Cie, Baden, Switzerland
Summer 1965	University of Pennsylvania, Philadelphia, PA

Funded Research at Drexel

- “DR K-12: Computer-Supported Math Discourse Among Teachers and Students.” Supplemental award for participant support from the National Science Foundation Discovery Research K-12 (DR K-12) Program for \$120,000 over 3 years starting September 1, 2013. PI: Gerry Stahl; with Arthur Powell (Rutgers-Newark), Stephen Weimar (Math Forum). Proposal: <http://GerryStahl.net/publications/proposals/dr2013.pdf>.
- “DR K-12: Computer-Supported Math Discourse Among Teachers and Students.” Award DRL-1118773 from the National Science Foundation Discovery Research K-12 (DR K-12) Program for \$1,800,000 over 5 years starting September 1, 2011. PI: Gerry Stahl; with Arthur Powell (Rutgers-Newark), Stephen Weimar (Math Forum), Jason Silverman (School of Education), Mick Khoo, Sean Goggins, Andrea Forte, Jennifer Rode. Proposal: <http://GerryStahl.net/publications/proposals/dr2011.pdf>.
- “Towards Optimization of Macrocognitive Processes: Automating Analysis of the Emergence of Leadership in Ad Hoc Teams.” Award N000141110221 from the Office of Naval Research Collaboration and Knowledge Interoperability (CKI) Program for \$909,029 over 3 years on May 17, 2011. PI: Carolyn Rosé (CMU); co-PIs: Gerry Stahl, Sean Goggins, Emily Patterson (Ohio State), Marcela Borge (Penn State), John Carroll (Penn State), Andrew Duchon (Aptima). Proposal: <http://GerryStahl.net/publications/proposals/onr2011.pdf>.
- “Theories and Models of Group Cognition.” Award N00014-10-1-0277 from the Office of Naval Research Collaboration and Knowledge Interoperability (CKI) Program for \$675,000 over 3 years starting November 12, 2009. PI: Gerry Stahl; co-PIs: Sean Goggins, Stephen Weimar and Carolyn Rosé (CMU). Project description: <http://GerryStahl.net/publications/proposals/onr2009.pdf>.
- “Dynamic Support for Virtual Math Teams.” Award DRL-0835383. Funded by the National Science Foundation Advanced Learning Technologies (ALT) Program for \$306,355 over 3 years starting August 1, 2009. PI: Gerry Stahl; co-PI: Stephen Weimar; Collaborative proposal with Carolyn Rosé (CMU). Project description: <http://GerryStahl.net/publications/proposals/alt2008.pdf>.
- “Exploring Adaptive Support for Virtual Math Teams.” Award DRL-0723580. Funded by the National Science Foundation Research and Evaluation on Education in Science and Engineering (REESE) Program for \$50,000 over 1 year on August 1, 2007. PI: Carolyn Rosé (CMU); consultant: Gerry Stahl. Project description: <http://GerryStahl.net/publications/proposals/reese2007c.pdf>.
- “Engaged Learning in Online Communities.” Award SBE-0518477. Funded by the National Science Foundation Science of Learning Center Catalyst Program for \$180,762 over 3 years on October 1, 2005. PI: Gerry Stahl; co-PIs: Sharon J Derry (Wisconsin); K. Ann Renninger (Swarthmore); Mary R Marlino (UCAR); Daniel D Suthers (Hawaii). Project description: <http://GerryStahl.net/publications/proposals/slc2005>.
- “IERI: Catalyzing & Nurturing Online Workgroups to Power Virtual Learning Communities.” Award IERI-0325447. Funded by the National Science Foundation IERI Program for \$2,300,00 over 5 years on September 1, 2003. PI: Gerry Stahl; co-PIs: Stephen Weimar and Wesley Shumar. Project description: <http://GerryStahl.net/publications/proposals/itr2003>.
- “Collaboration Services for the Math Forum Digital Library.” Award DUE-0333493. Funded by the National Science Foundation NSDL Services Program for \$450,000 over 3 years on August 15, 2003. PI: Gerry Stahl; co-PIs: Stephen Weimar and Wesley Shumar. Project description and proposal reviews: <http://GerryStahl.net/publications/proposals/nsdl2003>.

Grant Proposals at Drexel

- “DR K-12: Computer-Supported Math Discourse Among Teachers and Students.” Proposal for supplemental award for participant support to the National Science Foundation Discovery Research K-12 (DR K-12) Program for \$120,000 over 3 years starting September 1, 2013. PI: Gerry Stahl; with Arthur Powell (Rutgers-Newark), Stephen Weimar (Math Forum). Proposal: <http://GerryStahl.net/publications/proposals/dr2013.pdf>.
- “Towards Optimization of Macrocognitive Processes: Automating Analysis of the Emergence of Leadership in Ad Hoc Teams.” Proposal to the Office of Naval Research Collaboration and Knowledge Interoperability (CKI) Program for \$909,029 over 3 years on February 10, 2011. PI: Carolyn Rosé (CMU); co-PIs: Gerry Stahl, Sean Goggins, Emily Patterson (Ohio State), Marcela Borge (Penn State), John Carroll (Penn State), Andrew

- Duchon (Aptima). Proposal: <http://GerryStahl.net/publications/proposals/onr2011.pdf>.
- “DR K-12: Computer-Supported Math Discourse Among Teachers and Students.” Proposal DRL-1118773 to the National Science Foundation Discovery Research K-12 (DR K-12) Program for \$3,500,000 over 5 years on January 6, 2011. PI: Gerry Stahl; co-PIs: Stephen Weimar, Jason Silverman, Mick Khoo, Sean Goggins; collaborative proposal with Rutgers, PI: Arthur Powell. <http://GerryStahl.net/publications/proposals/dr2011.pdf>.
- “DR K-12: Computer-Supported Math Discourse Among Teachers and Students.” Proposal DRL-1019723 to the National Science Foundation Discovery Research K-12 (DR K-12) Program for \$2,924,147 over 5 years on January 6, 2010. PI: Gerry Stahl; co-PIs: Stephen Weimar, Jason Silverman, Mick Khoo, Sean Goggins; collaborative proposal with Rutgers, PI: Arthur Powell. Proposal: <http://GerryStahl.net/publications/proposals/dr2010.pdf>.
- “DR K-12: Computer-Supported Math Cognition Through Shared Visualizations and Collaborative Discourse.” Pre-Proposal DRL-6952834 to the National Science Foundation Discovery Research K-12 (DR K-12) Program for \$2,924,147 over 5 years on October 5, 2009. PI: Gerry Stahl; co-PIs: Stephen Weimar, Jason Silverman, Mick Khoo, Sean Goggins; collaborative proposal with Rutgers, PI: Arthur Powell. Proposal: <http://GerryStahl.net/publications/proposals/dr2009.pdf>.
- “Theories and Models of Group Cognition.” Proposal to the Office of Naval Research Collaboration and Knowledge Interoperability (CKI) Program for \$675,000 over 3 years on October 1, 2009. PI: Gerry Stahl; co-PIs: Sean Goggins, Stephen Weimar and Carolyn Rosé (CMU). Proposal: <http://GerryStahl.net/publications/proposals/onr2009.pdf>.
- “Collaborative Knowledge Work in Social-Computational Systems.” Proposal 6952103 to the National Science Foundation SES – Science, Technology and Society (SES) Program for \$747,599 over 3 years on September 21, 2009. PI: Michael Khoo; co-PIs: Gerry Stahl, Eileen Abels, Sean Goggins, Jiexun Li. Proposal: <http://GerryStahl.net/publications/proposals/ses2009.pdf>.
- “Multidisciplinary Curriculum Improvement and Innovation Using Software Defined Radio.” Proposal to the National Science Foundation Course, Curriculum, and Laboratory Improvement (CCLI) Program (Phase I — Exploratory). Submitted for \$200,000 over 2 years on May 21, 2009. PI: Kapil Dandekar (Drexel ECE); co-PI: Gerry Stahl (Drexel).
- “Cyber-math: Developing mathematical reasoning through diverse collaborations.” Proposal to the National Science Foundation Research and Evaluation on Education in Science and Engineering (REESE) Program. Submitted for \$995,571 over 3 years on November 21, 2008. PI: Arthur Powell (Rutgers, Newark); co-PI: Gerry Stahl (Drexel). Proposal: <http://GerryStahl.net/publications/proposals/cybermathREESE2008.pdf>.
- “Dynamic Support for Virtual Math Teams.” Proposal 0835426 to the National Science Foundation Advanced Learning Technologies (ALT) Program for \$306,355 over 3 years on April 25, 2008. PI: Gerry Stahl; co-PI: Stephen Weimar; Collaborative proposal with Carolyn Rosé (CMU). Proposal: <http://GerryStahl.net/publications/proposals/alt2008.pdf>.
- “CDI-Type II: Social Computing and Data Mining in Support of Inquiry-based STEM Learning.” Preliminary proposal to the National Science Foundation Cyber-Enabled Discovery and Innovation (CDI) Program. Submitted for \$2,500,931 for 4 years on Jan. 1, 2008. PI: Xiaohua Hu; co-PIs: Gerry Stahl, Eileen Abels, Yuan An, Stephen Weimar.
- “CDI-Type I: Building a world of math discourse using a mix of platforms.” Preliminary proposal to the National Science Foundation Cyber-Enabled Discovery and Innovation (CDI) Program. Submitted for \$797,303 over 3 years on Jan.8, 2008. PI: Werner Krandick (Department of Computer Science, Drexel University); co-PI: Gerry Stahl (IST, Drexel).
- “DR-K12 R&D: STEM Inquiry Learning in the Internet Public Library and the Math Forum Model.” Proposal to the National Science Foundation Discovery Research K-12 (DR K12) Program. Submitted for \$2,160,260 for 5 years on Jan. 28, 2008. PI: Deliah Neuman; co-PIs: Gerry Stahl, Tony Hu, Michael Khoo, Yuan An.
- “Increasing Helping Behavior in Collaborative Problem Solving in the Virtual Math Teams Environment.” Proposal 735571 to the National Science Foundation Advanced Learning Technologies (ALT) Program. Submitted for \$606,669 over 3 years on April 23, 2007. PI: Carolyn Rosé (CMU); co-PI: Gerry Stahl (Drexel) and co-PI: Stephen Weimar (Math Forum). Proposal: <http://GerryStahl.net/publications/proposals/alt2007.pdf>.
- “Collaborative Research: Representations for Analyzing Collaborative Knowledge Construction in Technology-mediated Learning Environments.” Proposal 723505 to the National Science Foundation Research and Evaluation on Education in Science and Engineering (REESE) Program. Submitted for \$249,062 over 3 years on January 29, 2007. PI: Gerry Stahl; co-PI: Stephen Weimar (Math Forum) and Alan Zemel (Culture &

- Communication). Collaborative proposal with Daniel Suthers (Hawaii) for \$450,999 and Cindy Hmelo-Silver (Rutgers New Brunswick). Proposal: <http://GerryStahl.net/publications/proposals/reese2007a.pdf>.
- "eMath: Diverse High School Students Developing Mathematical Reasoning through Online Collaboration." Proposal 723605 to the National Science Foundation Research and Evaluation on Education in Science and Engineering (REESE) Program. Submitted for \$995,145 over 3 years on January 29, 2007. PI: Arthur Powell (Rutgers, Newark); co-PI: Gerry Stahl (Drexel) and Carolyn Maher (Rutgers). Proposal: <http://GerryStahl.net/publications/proposals/reese2007b.pdf>.
- "Exploring Adaptive Support for Virtual Math Teams." SGER Proposal to the National Science Foundation Research and Evaluation on Education in Science and Engineering (REESE) Program. Submitted for \$50,000 over 1 year on January 29, 2007. PI: Carolyn Rosé (CMU); consultants: Gerry Stahl and the Math Forum. Proposal: <http://GerryStahl.net/publications/proposals/reese2007c.pdf>.
- "Optimizing Feedback for Eliciting Pedagogically Valuable Explanation in Collaborative Problem Solving." Proposal to the National Science Foundation Advanced Learning Technologies Program. Submitted for 2 years on May 15, 2006. PI: Carolyn Rosé (CMU); co-PIs: Stephen Weimar and Gerry Stahl. Proposal: <http://GerryStahl.net/publications/proposals/alt2006.pdf>.
- "Engaged Learning in Online Communities." Proposal to the National Science Foundation Science of Learning Center Catalyst Program. Submitted for \$180,762 over 1.5 years on January 14, 2005. Proposal 0518477. PI: Gerry Stahl; co-PIs: Sharon J Derry (Wisconsin); K. Ann Renninger (Swarthmore); Mary R Marlino (UCAR); Daniel D Suthers (Hawaii). Proposal: <http://GerryStahl.net/publications/proposals/engaged/description.pdf>.
- "Interaction Math: An Informal Online Learning Collaboratory Led by the Math Forum @ Drexel." Proposal to the National Science Foundation Informal Science Education Program. Submitted for \$2,933,126 over 5 years on January 6, 2005. PI: Gene Klotz (Math Forum); co-PIs: Gerry Stahl and Stephen Weimar. Proposal 0515544: Proposal: <http://GerryStahl.net/publications/proposals/informal/description.pdf>.
- "Studying Online Collaborative Learning at the Math Forum." Proposal 337162 to the National Science Foundation ROLE Program. PI: Gerry Stahl; co-PIs: Scott Robertson and Wesley Shumar. Submitted for \$1,790,931 over 3 years on June 1, 2003. Proposal: <http://GerryStahl.net/publications/proposals/role2003>.
- "Collaboration Services for the Math Forum Digital Library." Proposal 333493 to the National Science Foundation NSDL Services Program. PI: Gerry Stahl; co-PIs: Stephen Weimar and Wesley Shumar. Submitted for \$494,953 over 2 years on April 21, 2003. Proposal: <http://GerryStahl.net/publications/proposals/nsdl2003>.
- "Group Knowledge Construction in Digital Library Communities." Proposal to the National Science Foundation NSDL Targeted Research Program. Submitted for \$498,748 over 2 years on April 21, 2003. PI: Scott Robertson; co-PIs: Gerry Stahl and Susan Weidenbeck. Proposal 0333471: <http://GerryStahl.net/publications/proposals/nsdl2003b>.
- "ITR: Catalyzing & Nurturing Online Workgroups to Power Virtual Learning Communities." Proposal to the National Science Foundation ITR Program. PI: Gerry Stahl; co-PIs: Stephen Weimar and Wesley Shumar. Submitted for \$3,374,472 over 5 years on February 12, 2003. Proposal 0325447: <http://GerryStahl.net/publications/proposals/itr2003>.
- "Educational Online Communities for At-Risk Youth." Proposal to foundations. Written for \$88,000 over 1 year in December 2002. Proposal: <http://GerryStahl.net/publications/proposals/nursing2003/nursing.doc>.

Funded Research at Colorado (1997-2001)

Following are my grants as a post-doc and Research Professor from 1997-2001. Prior to that, I was involved with proposing, implementing and managing many city, state, federal & foundation grants from 1978-1984, and industry, state & federal grants from 1990-1996.

- 2001-2002: "Enhancing collaborative learning among researchers, practitioners, and students at CSCL 2002" (co-PI with Gerhard Fischer & Hal Eden) \$49,860; 10/1/01-9/30/02. Sponsor: NSF. Proposal 124010.
- 2000-2001: "New Media to Support Collaborative Knowledge-Building: Beyond Consumption and Chat" (Principal Investigator) \$19,752; Sponsor: Lab for New Media Strategy and Design. Proposal: <http://GerryStahl.net/publications/proposals/media/media.pdf>. Results: <http://www-jime.open.ac.uk/00/stahl/>
- 1999-2000: "Interoperability among Knowledge Building Environments" (Principal Investigator) \$9,124; Sponsor: Center for Innovative Learning Technology / SRI. Proposal:

- <http://GerryStahl.net/publications/proposals/cilt99/proposal.pdf>. Results: <http://GerryStahl.net/xml>.
- 1998-1999: "Collaborative Web-Based Tools for Learning to Integrate Scientific Results into Social Policy" (co-PI with Ray Habermann at NOAA) \$89,338; Sponsor: NSF. Results: <http://GerryStahl.net/publications/conferences/1999/group99/>.
- 1997-2000: "Conceptual Frameworks and Computational Support for Organizational Memories and Organizational Learning" (co-PI with Gerhard Fischer and Jonathan Ostwald) \$725,000; Sponsor: NSF, Computation and Social Systems program. Proposal: <http://GerryStahl.net/publications/proposals/omol>. Results: <http://GerryStahl.net/publications/journals/ai&society/AI&Soc.pdf>.
- 1997-2000: "Allowing Learners to be Articulate: Incorporating Automated Text Evaluation into Collaborative Software Environments" (primary author and primary software developer; PIs: Gerhard Fischer, Walter Kintsch and Thomas Landauer) \$678,239; Sponsor: James S. McDonnell Foundation, Cognitive Science in Education Program. Proposal: <http://GerryStahl.net/publications/proposals/mcdonnell>. Results: <http://GerryStahl.net/publications/journals/ile2000/ile.pdf>.

Grant Proposals at Colorado (1997-2001)

- "Enhancing collaborative learning among researchers, practitioners, and students at CSCL 2002" (co-PI with Gerhard Fischer & Hal Eden) \$49,860; Sponsor: NSF. Proposal 124010:
- "New Media to Support Collaborative Knowledge-Building: Beyond Consumption and Chat" (Principal Investigator) Proposal to the Lab for New Media Strategy and Design. Submitted for \$19,752 over 4 months on September 1, 2000. Proposal: <http://GerryStahl.net/publications/proposals/media/media.pdf>.
- "Interoperability among Knowledge Building Environments" (Principal Investigator) \$9,124; Sponsor: Center for Innovative Learning Technology / SRI. Proposal: <http://GerryStahl.net/publications/proposals/cilt99/proposal.pdf>.
- "Collaborative Web-Based Tools for Learning to Integrate Scientific Results into Social Policy" (co-PI with Ray Habermann at NOAA) \$89,338; Sponsor: NSF.
- "Conceptual Frameworks and Computational Support for Organizational Memories and Organizational Learning" (co-PI with Gerhard Fischer and Jonathan Ostwald) \$725,000; Sponsor: NSF, Computation and Social Systems program. Proposal: <http://GerryStahl.net/publications/proposals/omol>.
- "Allowing Learners to be Articulate: Incorporating Automated Text Evaluation into Collaborative Software Environments" (primary proposal author and post-doc; PIs: Gerhard Fischer, Walter Kintsch and Thomas Landauer) \$678,239; Sponsor: James S. McDonnell Foundation, Cognitive Science in Education Program. Proposal: <http://GerryStahl.net/publications/proposals/mcdonnell>.
- "CSS: Perspectives on Collaboration: a Micro-ethnographic Study of Computational Perspectives in Computer Support for Collaborative Knowledge-Building at a Virtual Biology Laboratory." (Principal Investigator) Proposal 117630 to the National Science Foundation CSS Program. Submitted for \$307,718 over 3 years on February 15, 2001. Proposal: <http://GerryStahl.net/publications/proposals/css2001/css2001.pdf>.
- "ITR/PE (EHR): Information Technology for Distributed Collaborative Learning in a Virtual Biology Lab." (Principal Investigator) Proposal 112397 to the National Science Foundation ITR Program. Submitted for \$472,610 over 3 years on January 18, 2001. Proposal: <http://GerryStahl.net/publications/proposals/itr2001/proposal.pdf>.
- "ROLE proposal: The Role of Computational Cognitive Artifacts in Collaborative Learning and Education" (Principal Investigator) Proposal 106950 to the National Science Foundation ROLE Program. Submitted for \$970,971 over 3 years on December 1, 2000. Proposal: <http://GerryStahl.net/publications/proposals/role/role.pdf>.
- "ROLE Pre-proposal: The Role of Computational Cognitive Artifacts in Collaborative Learning and Education" (Principal Investigator) Proposal 96877 to the National Science Foundation ROLE Program. Submitted for \$750,000 over 3 years on September 1, 2000. Encouraged full submission. Proposal: <http://GerryStahl.net/publications/proposals/role/role2pre.pdf>.
- "ROLE Pre-proposal: Research on Collaboration in Learning and on Collaboration Technology in Education" (Principal Investigator) Proposal 83440 to the National Science Foundation ROLE Program. Submitted for \$720,000 over 3 years on February 29, 2000. Encouraged full submission. Proposal: <http://GerryStahl.net/publications/proposals/role/role1pre.pdf>.
- "ITR/IM: Perspectives on Collaborative Knowledge-Building" Proposal 82829 to the National Science Foundation ITR

- Program. (Principal Investigator) Submitted for \$489,560 over 3 years on February 17, 2000. Proposal: http://GerryStahl.net/publications/proposals/itr_kbe/itr-kbe.pdf.
- "IT Support for Knowledge-Building in Workgroups" (Principal Investigator) Proposal 82263 to the National Science Foundation CSS Program. Submitted for \$399,190 over 3 years on February 15, 2000. Proposal: <http://GerryStahl.net/publications/proposals/omol2000/OMOL.2000.pdf>.
- "Collaborative Research on Knowledge-Building Environments: Growing a National and International Research Community for Distance Learning Information Technology" (Principal Investigator) Proposal 77095 to the National Science Foundation. Pre-proposal submitted for \$2,700,000 over 5 years on January 5, 2000. Proposal: <http://GerryStahl.net/publications/proposals/collab/collab.pdf>.
- "Models for Organizing Collaboration: Ways of Supporting Distributed Learning" Proposal to Lotus Corporation. (Principal Investigator) Submitted for \$68,000 over 1 year on January 18, 2000. Proposal: <http://GerryStahl.net/publications/proposals/lotus/lotus.pdf>.
- "POW! Perspectives on the Web" (Principal Investigator) Proposal to the Colorado Advanced Software Institute (CASI). Submitted for \$40,000 over 1 year on November 30, 1999. Proposal: <http://GerryStahl.net/publications/proposals/casi>.
- "POW! Perspectives on the Web" (Principal Investigator) Proposal to Intel Corporation. Submitted for \$190,000 over 3 years on October 18, 1999. Proposal: <http://GerryStahl.net/publications/proposals/intel>.
- "Research CyberStudio" (Principal Investigator) Internal research concept paper. Proposal: <http://GerryStahl.net/publications/proposals/cyberstudio>.

Software Development Projects (1990-present)

- These are some of the systems I implemented in the past decade, either at the Fraunhofer Institute, the University of Colorado or as a consultant. Except where indicated, I was the primary developer and they resulted in working prototypes. Theoretical frameworks for most of them are presented in my book, *Group Cognition*. In some cases (e.g., **BSCL**, **Hermes**, **State the Essence** and **WebGuide**) they are being used in on-going field studies. **VMT** and **VMT-with-GeoGebra** are currently used in classrooms in the US, Turkey and Singapore as research prototypes.
- VMT-with-GeoGebra** (2011-present): Extension of Virtual Math Teams software with multi-user version of GeoGebra to support collaborative problem solving of dynamic geometry by middle school and high school students. See: <http://mathforum.org/vmt>.
- VMT** (2003-2011): Virtual Math Teams is software to support collaborative problem solving of school mathematics by middle school and high school students who visit The Math Forum and join virtual math teams to discuss mathematics together. See: <http://mathforum.org/vmt>.
- BSCL** (2001-2003): Basic System for Collaborative Learning is a knowledge-building environment with personal and group perspectives based on BSCW, a web-based shared workspace. Funded by the European Union ITCOLE Project, it is being used in schools in several European countries. See: http://GerryStahl.net/publications/conferences/2002/criwg/Stahl_CRIWG_Paper.doc.
- WebGuide** (1998-2001): a knowledge-building environment with personal and group perspectives to facilitate collaboration and management of shared information spaces. Tried out in a middle school course and two graduate seminars. Supported by grants listed above. <http://www-jime.open.ac.uk/00/stahl/>.
- InterOp** (1999-2000): XML-based software to export data from incompatible knowledge-building environments in a standard format for display using XSL. Also used for client-server connection in WebGuide. Supported by CILT/SRI. <http://GerryStahl.net/xml>.
- State the Essence** (1997-1999): educational software using latent semantic analysis (LSA) to provide feedback to students summarizing a text. Used in middle school classrooms for three years and subjected to rigorous controlled experiments showing positive results, particularly for students having trouble understanding the given text. Supported by McDonnell Foundation. <http://GerryStahl.net/publications/journals/ile2000/ile.pdf>.
- SimRocket** (1998): a model-rocket simulation used with a middle school project team to analyze the effects of different rocket features. <http://GerryStahl.net/publications/conferences/2001/ethnography2001/ethnography.pdf>.
- WebNet** (1996-1997): a Web-based design environment for LAN design and management. Integrated a number of components for collecting, displaying, up-dating and discussing domain knowledge and local knowledge about

- LAN configuration. Supported by ARPA. <http://GerryStahl.net/publications/journals/ai&society/AI&Soc.PDF>
- CIE** (1995-1996): a workplace documentation support system for ISO 9000 certification, using computational perspectives to support bottom-up documentation processes. Prototyped for a local software startup.
- Tracker** (1995-1996): an information management system for the Baltimore public schools to track services to students on welfare. I worked on interface components to an Access database as a consultant.
- OptoNet** (1994-1995): a software feedback system in LabView with real-time analog-to-digital data acquisition to stabilize holographic equipment during space flight. This software was tested on NASA zero-g simulation flights. Developed under an NASA SBIR II grant.
- TCA** (1994-1995): a digital library for teachers to exchange, discuss, and adapt curricular materials for constructivist classrooms. The Teachers' Curriculum Assistant anticipated approaches now being implemented years later. Prototyped under an NSF SBIR I grant. <http://GerryStahl.net/publications/journals/c&e/C&E.PDF>
- Crew** (1993-1995): a case-based reasoning system to model long-term astronaut missions, developed under contract with NASA in cooperation with psychologists at Houston astronaut support. Extends and integrates several AI techniques. Developed under an NASA SBIR II grant and delivered to NASA. <http://GerryStahl.net/publications/journals/crew/crew.PDF>
- Hermes** (1992-1993): a hypermedia substrate for design environments, including computational perspectives, persistent versions of drawings, user-programmable critic agents, extensible scripting language. This was my dissertation system to implement an environment for lunar habitat design. NASA subsequently used it for their *Space Station Freedom Man-Systems Integration Standards* design guidelines for spacecraft. Supported by CASI and Johnson Engineering. http://GerryStahl.net/publications/conferences/1990-1997/cogsci93/COGSC_TR.PDF
- Phidias2** (1990-1992): an object-oriented rewrite of a hypermedia substrate for design rationale using contexts. This was an early version of Hermes. Supported by CASI and IBM.
- InterView** (1990-1991): an information management system for US West service providers to access data in multiple legacy database systems. I worked on C++ interface components to an object-oriented database management system as an intern.

Writings

Doctoral Dissertations

- Stahl, G. (1993). *Interpretation in design: The problem of tacit and explicit understanding in computer support of cooperative design*. Unpublished Dissertation, Ph.D., Department of Computer Science, University of Colorado. Boulder, CO. Web: <http://GerryStahl.net/publications/dissertations/computer> or <http://GerryStahl.net/elibrary/tacit>.
- Stahl, G. (1975). *Marxian hermeneutics and Heideggerian social theory: Interpreting and transforming our world*. Unpublished Dissertation, Ph.D., Department of Philosophy, Northwestern University. Evanston, IL. Web: <http://GerryStahl.net/publications/dissertations/philosophy> or <http://GerryStahl.net/elibrary/marx>.

Books

- Stahl, G. (2016). *Constructing dynamic triangles together: The development of mathematical group cognition*. Cambridge, UK: Cambridge University Press. Learning in doing: Social, cognitive and computational perspectives series. 294 pages. Web: <http://GerryStahl.net/elibrary/analysis>. Doi: <http://www.cambridge.org/la/academic/subjects/psychology/educational-psychology/constructing-dynamic-triangles-together-development-mathematical-group-cognition?format=HB>
- Stahl, G. (2013). *Translating Euclid: Designing a human-centered mathematics*. San Rafael, CA: Morgan & Claypool Publishers. Synthesis lectures on human-centered informatics series #17. 221 pages. Web: <http://GerryStahl.net/elibrary/euclid>. Doi: <http://dx.doi.org/10.2200/S00492ED1V01Y201303HCI017>.

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Conference Posters, Workshops, Panels, Symposia, Tutorials, Demos, Invited Talks

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- Stahl, G. (2015). *Invited talk: A digital didactic design for group cognition*. Presented at the Digital Didactical Designs DDD2015, Umea, Sweden. Web: <http://GerryStahl.net/pub/umea.pdf>;
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- Stahl, G., Weimar, S., Fetter, A., & Mantoan, A. (2014). *Working group: Developing comprehensive open-source geometry curricula using GeoGebra*. Presented at the Fifth North-American GeoGebra Conference 2014, Toronto, Canada. Web: <http://GerryStahl.net/pub/ggb2014wg.pdf>.
- Stahl, G. (2013). *Demo: Collaborative GeoGebra for virtual math teams*. Presented at the GeoGebra North American Conference 2013, Oxford, OH. Web: <http://GerryStahl.net/pub/ggbna2013.pdf>.
- Stahl, G. (2013). *Poster: Discovering dependencies: A case study of collaborative dynamic mathematics*. Presented at the International Conference of Computer-Supported Collaborative Learning (CSCL 2013), Madison, WI. Web: <http://GerryStahl.net/pub/cscl2013dependencies.pdf>, http://GerryStahl.net/pub/cscl2013dependencies_poster.pdf.
- Stahl, G. (2013). *Presidential symposium presentation: CSCL in north America -- the first 20 years*. Presented at the International Conference of Computer-Supported Collaborative Learning (CSCL 2013), Madison, WI. Web: <http://GerryStahl.net/pub/cscl2013presidential.pdf>, <http://GerryStahl.net/pub/cscl2013presidential.ppt.pdf>.
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- Stahl, G. (2013). *Seminar: Damsa's model as a knowledge object*. Presented at the Dept of Education, Oslo, Norway. Web: http://GerryStahl.net/pub/damsa_opponent.pdf.
- Stahl, G. (2013). *Seminar: Designing a collaborative environment for dynamic geometry*. Presented at the Dept of Education, Oslo, Norway. Web: http://GerryStahl.net/pub/designing_oslo.pdf.
- Stahl, G. (2013). *Seminar: Designing a learning environment for geometry*. Presented at the LinCS Seminars, University of Gothenburg, Sweden. Web: <http://GerryStahl.net/pub/designing.pdf>.
- Stahl, G. (2013). *Seminar: Didactics of human-centered dynamic geometry*. Presented at the LinCS Seminars, University of Gothenburg, Sweden. Web: <http://GerryStahl.net/pub/didactics.pdf>.
- Stahl, G. (2013). *Symposium presentation: To analyze a shared world in a sedimented resource, and a community in a solitary I, hold infinity in the trace of a social force, and eternity in the wink of an eye*. Presented at the International Conference of Computer-Supported Collaborative Learning (CSCL 2013), Madison, WI. Web: <http://GerryStahl.net/pub/cscl2013closing.pdf>, <http://GerryStahl.net/pub/cscl2013closing.ppt.pdf>.
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Technical Reports

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<http://ggbtu.be/b154045>.
- Stahl, G. (2014). *Construct dynamic geometry together*. Web: <http://GerryStahl.net/elibrary/topics/construct.pdf>;
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- Stahl, G. (2014). *Explore dynamic geometry together*. Web: <http://GerryStahl.net/elibrary/topics/explore.pdf>.
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Unpublished Works

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- Stahl, G. (2009). *A career in informatics*. Unpublished manuscript. Web: <http://GerryStahl.net/personal/career.html>.
- Stahl, G. (2009). *Catch.Up.Me*. Unpublished manuscript. Web: <http://GerryStahl.net/personal/catch.up.me.html>.
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- Stahl, G. (1970). *Time and Being: A translation of Martin Heidegger's Zeit und Sein*. Unpublished manuscript. Web: <http://GerryStahl.net/pub/time&being.pdf>.
- Stahl, G. (1967). *Truth as value: Nietzsche's escape from nihilism*. Unpublished manuscript. Web: <http://GerryStahl.net/pub/Nietzsche.pdf>.

Publication Statistics

H-number (number of publications, h, with Google Scholar citations > h)

5/6/07	15
9/9/07	16
2/25/08	17
6/25/08	19
9/25/08	22
5/23/09	23
10/20/09	24
1/29/10	25
3/19/10	26
8/1/10	27
6/16/11	28
10/25/12	30
4/1/14	31
2/1/15	32
6/15/15	33

Number of publications per year

1976-1993	22
1994	0
1995	3
1996	5
1997	3
1998	12
1999	7
2000	6
2001	3
2002	10
2003	10
2004	11
2005	17
2006	30
2007	24
2008	19
2009	36
2010	26
2011	30
2012	22
2013	28
2014	14
2015	20
2016	2
total	360

Community Service

International Journal of Computer-Supported Collaborative Learning (ijCSCL)
Executive Editor 2016 – present
Founding Editor-in-Chief 2004 – 2015

International Society of the Learning Sciences (ISLS)
Board of Directors, ex officio, 2003-2015
Web & Communications Committee Chair 2002-2005
Founding Board 2002-2003
Founding Committee 2002

The CSCL Community of ISLS
Executive Board member, 2003-2014
Founding Steering Committee member, 2002

Journal of Computers in Education (JCE)
Journal of the Global Chinese Society for Computers in Education
Editorial Board 2014 - 2015

Journal of the Brazilian Computer Society (JBCS)
Editorial Board 2007 - 2015

European Journal of School Psychology (EJSP)
Advisory Board 2001 - 2015

Journal of Interactive Media in Education (JIME)
Editorial Board 2000 - 2007

International Conference of the Learning Sciences (ICLS '16), Singapore, June 2016
Scientific Program Committee

Computer Support for Collaborative Learning (CSCL'15), Gothenburg, Sweden, June 2015
Program Committee
Steering Committee
Co-Chair for Special Events

International Conference of the Learning Sciences (ICLS '14), Boulder, Colorado, June 2014
Scientific Program Committee

Computer Support for Collaborative Learning (CSCL'13), Madison, WI, USA, June 2013
Program Committee
Steering Committee

European Computer Support for Cooperative Work (ECSCW 2011), Aarhus, Denmark, September 2011
Program Committee

Computer Support for Collaborative Learning (CSCL'11), Hong Kong, China, June 2011
Program Co-Chair
Program Committee
Steering Committee

IEEE, ACM, IFIP International Conference on Collaboration Technologies and Systems (CTS 2011), May 2011
Doctoral Dissertation Colloquium Co-Chair
Organizing Committee

Computer Support for Collaborative Learning (CSCL'09), Rhodes, Greece, June 2009
Program Committee
Workshops Chair

ACM Conference on Groupware (GROUP 2009), Sanibel Island, FL, May 2009
Program Committee

International Conference on Computers in Education (ICCE '08), Taipei, Taiwan, Nov 2008
Program Committee
Keynote Speaker

International Conference of the Learning Sciences (ICLS '08), Utrecht, Netherlands, June 2008
Scientific Program Committee

International Conference on Computers in Education (ICCE '07), Hiroshima, Japan, Nov 2007
Program Committee

CV of Gerry Stahl

Computer Support for Collaborative Learning (CSCL '07), New Brunswick, NJ, June 2007
 Program Committee
 Steering Committee
 Workshops Chair

International Conference on Computers in Education (ICCE '06), Beijing, China, Nov 2006
 Program Committee
 Workshops Co-Chair

International Conference on Computers in Education (ICCE '05), Singapore, Nov 28-Dec 2, 2005
 Program Committee
 Doctoral Consortium Faculty

Conference on Learning in Communities, State College, PA, Aug 15-17, 2005
 Program Committee

Computer Support for Collaborative Learning (CSCL '05), Taipei, Taiwan, June 2005
 Program Committee
 Steering Committee
 Workshops Chair

International Workshop on Groupware (CRIWG '04), San Jose, Costa Rico, September 2004
 Program Committee

International Conference of the Learning Sciences (ICLS '04), Santa Monica, California, June 2004
 Program Committee

Communities & Technology Conference (C&T '03), Amsterdam, Netherlands, August 2003
 Program Committee

Computer Support for Collaborative Learning (CSCL '03), Bergen, Norway, June 2003
 Program Committee
 Steering Committee
 Workshops Co-chair

International Conference of the Learning Sciences (ICLS '02), Seattle, Washington, October 2002
 Program Committee

International Workshop on Groupware (CRIWG '02), La Serena, Chile, September 2002
 Program Committee
 Doctoral Consortium Faculty

Computer Support for Collaborative Learning (CSCL '02), Boulder, Colorado, January 2002
 Program Chair
 Program Committee
 Steering Committee
 Proceedings Editor

International Conference on Groupware (Group '01), Boulder, Colorado, October 2001
 Local Arrangements Chair

International Workshop on Groupware (CRIWG '01), Darmstadt, Germany, September 2001
 Doctoral Consortium Faculty

Service at IST/Drexel

Representative to Faculty Senate (2007/08, 2008/09, 2011/12)
 Faculty Search committee (2008/09, 2010/11)
 Faculty Research Leadership Committee (2010/11)
 Faculty committee on Admissions and Financial Aid (2007/08)
 Faculty committee on College Strategic Futures (2004/05, 2006/07, 2007/08, 2008/09, 2010/11, 2011/12)
 Faculty committee on Curriculum (2005/06 & 2006/07)
 Organize the Research & Teaching lecture series (2003/04)
 Faculty committee on the Doctoral Program (2002/03, 2010/11)

Honors

- Keynote Talk at CSCL 2011 in Shanghai:** Stahl, G. (2011). Keynote: Past, present and future of CSCL. Presented at the Knowledge Building Summer Institute 2011 and CSCL2011 post-conference at the South China Normal University, Guangzhou, China. Web: <http://GerryStahl.net/pub/cscl2011guangzhou.pdf> , <http://GerryStahl.net/pub/cscl2011guangzhou.ppt.pdf> , <http://youtu.be/SLC8Ew8J9Hg> , <http://youtu.be/nrGfYnLRPgg> , <http://youtu.be/0rh-3FnjLp4> .
- Keynote Talk at CSCL 2011 in Beijing:** Stahl, G. (2011). Keynote: CSCL research: Two case studies. Presented at the CSCL 2011 post-conference at the Beijing China Normal School, Beijing, China. Web: <http://GerryStahl.net/pub/cscl2011.pdf> , <http://GerryStahl.net/pub/cscl2011stahl.pdf> , http://GerryStahl.net/pub/cscl2011beijing_keynote.ppt.pdf .
- Invited Talk at CSCL 2011 in Shanghai.** Stahl, G. (2011). Invited talk: China and the future of CSCL. Presented at the CSCL 2011 post-conference at the East China Normal University, Shanghai, China. Web: <http://youtu.be/zyQaN3c4c4g> .
- Invited Talk at CTS 2011:** Stahl, G. (2011). *A view of computer-supported collaborative learning research today*. Invited talk presented at the international conference on Collaboration Technologies and Systems (CTS 2011). Philadelphia, PA. Web: <http://GerryStahl.net/pub/cts2011.pdf>.
- Opening Keynote at ICCE 2009:** Stahl, G. (2009). *How I view learning and thinking in CSCL groups*. Keynote talk presented at the International Conference on Computers and Education (ICCE 2009). Hong Kong, China. Web: <http://GerryStahl.net/pub/icce2009keynote.pdf>.
- Best Paper at ICCE 2005:** Stahl, G. (2005). *Sustaining online collaborative problem solving with math proposals*. Paper presented at the International Conference on Computers and Education (ICCE 2005). Singapore, Singapore. Proceedings pp. 436-443. Web: <http://GerryStahl.net/pub/icce2005.pdf> & <http://GerryStahl.net/pub/icce2005ppt.pdf>.
- Opening Keynote at CRIWG 2005:** Stahl, G. (2005). *Groups, group cognition & groupware*. Keynote talk presented at the Groupware: Design, Implementation, and Use, 11th International Workshop, CRIWG 2005, Porto de Galinhas, Brazil. Racife, Brazil. Proceedings pp. 1-16. Springer. Web: <http://GerryStahl.net/pub/criwg2005.pdf> & <http://GerryStahl.net/pub/criwg2005ppt.pdf>. Doi: http://dx.doi.org/10.1007/11560296_1.
- Opening Keynote at DeLFI 2003:** Stahl, G. (2003). *The future of computer support for learning: An American/German delfic vision*. Keynote talk presented at the First Conference on e-Learning of the German Computer Science Society (DeLFI 2003). Munich, Germany. Proceedings pp. 13-16. Web: <http://GerryStahl.net/publications/presentations/delfi>.
- Million Dollar Club at Drexel University 2003:** Grantsmanship award for NSF NSDL and IERI grants totaling \$2,750,000 awarded in first year at Drexel. Only Million Dollar Club recipient in iSchool history.
- First Prize at Drexel/IST Research Day 2005 and 2006 and 2007:** Set of four posters on VMT Project each year.

Scientific Advisory Committees

- Knowledge Media Research Centre (KMRC)**, Tübingen, Germany: Scientific Advisory Board Consultant (March 2006 – 2010)
- Knowledge Practices Lab (K-P Lab)**, Centre for Networked Learning and Knowledge Building, University of Helsinki, Finland: International Advisory Board Scientific Consultant (February 2006 – 2011)
- Learning Sciences Lab**, National Institute of Education (NIE), Nanyang Technological University, Singapore: International Advisory Board (December 2005)
- Cyber-Enabled Design Research to Enhance Teachers' Critical Thinking Using a Major Video Collection on Children's Mathematical Reasoning**, University of Wisconsin at Madison (October 2008 – 2012)
- Collaborative Cardiac Surgery Research Project**, Hospital of the University of Cincinnati, Cincinnati, OH: Interdisciplinary Research Team (February 2004 – 2006)

Visiting Researchers

Bogazici Universitesi (Istanbul, Turkey): Diler Öner (February 1, 2014 – June 30, 2014)
University of Windsor (Windsor, Canada): Dragana Martinovic (December 1, 2012 – December 31, 2013)
Developer: Anthony Mantoan (April 1, 2010 – August 31, 2014)
Post-Doc: Murat Cakir (June 1, 2009 – October 1, 2009)
Post-Doc: Baba Kofi A. Weusijana (April 1, 2009 – March 31, 2010)
Developer: Jimmy Xiantong Ou (May 14, 2009 – October 1, 2009)
Post-Doc: Alan Zemel (October 1, 2004 – October 1, 2007)
National Central University (Taipei, Taiwan): Fei-Ching Chen (August 1, 2008 – June 30, 2009)
University of Bergen (Bergen, Norway): Weiqin Chen (February 1, 2007 – December 31, 2007)
Royal Institute of Technology (Stockholm, Sweden): Henry Rodriguez (October 1, 2006 – June 1, 2008)
Dawson College (Montreal, Canada): Elizabeth Charles (October 1, 2005 – March 1, 2006)
Fraunhofer Gesellschaft IPSI (Darmstadt, Germany): Martin Mühlpfordt (June 1 – September 1, 2006)
Fraunhofer Gesellschaft IPSI (Darmstadt, Germany): Martin Wessner (June 15 – September 15, 2005)
Politechnica University (Bucharest, Romania): Stefan Trausan-Matu (February 1 - August 1, 2005)
Open University of Catalonia (Barcelona, Spain): Fatos Xhafa (September 1, 2004 – February 27, 2005)
Open University of the Netherlands (Heerlen, Netherlands): Jan-Willem Strijbos (February 1 – June 30, 2004)

PhD Students

Drexel University (Philadelphia, PA): Murat Cakir (chair), Johann Sarmiento (chair), Nan Zhou (chair), Ramon Toledo (chair), Joel Eden (committee), Ilene Litz Goldman (committee), James Waters (committee), Yolanda Jones (committee), Nora McDonald (committee), Trish Grieb-Neff, Wanda Kunkle, Deb LaBelle, Debra McGrath, Peter Miller, Craig Nelson, Eric Poole, Alan Black
University of Sydney (Australia): Roberto Martinez-Maldonado (external reviewer)
University of Oslo (Norway): Crina Damsa (external reviewer opponent)
University of Hong Kong (China): ZHAO Ke Coco (external reviewer)
Nanyang University (Singapore): WEE Juan (external reviewer)
Fraunhofer Gesellschaft IPSI (Germany): Martin Mühlpfordt (committee)
University of Bergen (Norway): Frode Guribye (external reviewer opponent)
Open University of the Netherlands (Netherlands): Jan-Willem Strijbos
University of Chile (Chile): Cesar Alberto Collazos (committee)
University of Dortmund (Germany): Andrea Kienle
University of Colorado (Boulder, CO): Rogerio dePaula, Elizabeth Lenell, Alena Sanusi, David Steinhart (committee)

Courses Taught

INFO 782 **Topics in Informatics**, online (Fall 2011, Fall 2010)
INFO 782 **Topics in Informatics**, graduate level (Spring 2009, Fall 2011)
INFO 780 **Computer-Supported Collaborative Learning**, graduate level (Spring 2004/05, Spring 2003/04)
INFO 616 **Social and Collaborative Computing**, online (Spring 2012)
INFO 611 **Design of Interactive Systems**, online (Winter 2011, Winter 2012)
INFO 610 **Analysis of Interactive Systems**, online (Spring 2011)
INFO 610 **Analysis of Interactive Systems**, graduate level (Winter 2003/04)
INFO 608 **Human-Computer Interaction**, graduate level (Winter 2007/08, Winter 2004/05, Spring 2002/03)
INFO 608 **Human-Computer Interaction**, online (Spring 2008, Spring 2006/07, Winter 2002/03, Fall 2002/03)
INFO 405 **Computer-Supported Cooperative Work**, online (Winter 2011)
INFO 405 **Social and Collaborative Computing**, junior/senior level (Winter 2012)

INFO 310 **Human-Computer Interaction**, junior/senior level (Winter 2008/09, Winter 2006/07, Spring 2005/06,
Winter 2004/05, Winter 2003/04, Spring 2002/03)

INFO 110 **Human-Computer Interaction**, freshman/sophomore level (Spring 2008, Winter 2005/06)

INFO 105 **Information Users**, freshman/sophomore level (Spring 2009)

Data Analysis Seminar, 20 quarters

Independent Study, 36 student-quarters

Research Experience, 70 student-quarters

Topics in CSCL, Fall 2000, University of Colorado

Research in CSCL, Fall 1999, University of Colorado

Readings in CSCL, Spring 1999, University of Colorado

An electronic version of this Resume with live links is available at: <http://GerryStahl.net/home/resume.html> and in pdf
format for printing at <http://GerryStahl.net/home/resume.pdf>. Last revision: January 1, 2016.