

Kenneth Baclawski

College of Computer and Information Science
Northeastern University
360 Huntington Avenue
Boston, MA 02115, USA
email: kenb@ccs.neu.edu
www.ccs.neu.edu/home/kenb

Education

Ph.D. 1976 Harvard University (Mathematics)

B.S. 1971 University of Wisconsin, Milwaukee (Applied Mathematics and Engineering Physics)

Experience

7/2017 to present: Associate Professor Emeritus. College of Computer and Information Science, Northeastern University, Boston, MA

1/1984 to 6/2017: Associate Professor. College of Computer and Information Science, Northeastern University, Boston, MA

9/2003 to 8/2005: Visiting Professor. Harvard Medical School, Boston, MA

7/1998 to 12/2005: Chief Scientist. Jarg Corporation, Waltham, MA

7/1997 to 6/1998: Chief Technical Officer. Jarg Corporation, Waltham, MA

9/1982 to 12/1982: Visiting Scholar in Applied Mathematics. Massachusetts Institute of Technology, Cambridge, MA

7/1981 to 12/1981: Acting Chairman. Mathematics Department, Haverford College, Haverford, PA

1/1980 to 6/1980: Visiting Professor. University of California, San Diego

7/1979 to 6/1986: Consultant to the Director. Los Alamos National Laboratory, Los Alamos, NM

7/1978 to 12/1983: Assistant Professor. Haverford College, Haverford, PA

7/1976 to 6/1978: C.L.E.Moore Instructor. Massachusetts Institute of Technology, Cambridge, MA

7/1972 to 6/1976: Teaching Fellow. Harvard University, Cambridge, MA

5/1970 to 8/1970: Assistant Professor. Physics Department, University of Wisconsin, Milwaukee

Areas of Interest

Semantics of Data

Web Service Specification and Deployment

Big Data and NoSQL Systems

High-Performance Ontology-Based Computing

Knowledge Bases for Biology and Medicine

Ontologies for: Life Sciences, Situation Awareness and Financial Services

Research Impact

h-index 37

g-index 70

number of publications 356

number of citations 5196

as of March 17, 2018

Honors and Awards

“Statistical Methods using Thread Intensity for Performance Monitoring,” Oracle. 5/1/2017 to 4/30/2018.

Google awarded a settlement to Northeastern University to conclude a patent infringement lawsuit for US Patent No. 5,694,593 (Kenneth Baclawski, inventor). This patent was allegedly for what Google calls MapReduce. MapReduce is the main search engine used by Google. MapReduce is the basis for NoSQL search engines such as Hadoop, and is one of the fundamental tools used for Big Data systems. US Patent No. 5,694,593 was invented in 1993; the patent application was in 1994; the patent was granted in 1997; the lawsuit was settled in 2011. The terms of the settlement are confidential.

“Enhancing Organism Based Disease Knowledge Via Name Based Taxonomic Intelligence,” National Library of Medicine. 10/1/2008 to 9/30/2012.

Keynote Address, 4th Semantic Interoperability for E-Government Conference, 2006.

Special Recognition Award from the Open Group and the Federal Semantic Interoperability Community of Practice, 2006.

Keynote Address, Workshop on Advancing Toward Credible Agreements Around Information Sharing Environments, Governance, and Data Architecture, 2005.

Outstanding Paper Award, SDR Forum, 2005.

“Computational Models of Health Behavior Change Dialog,” National Library of Medicine. 10/1/2007 to 9/30/2009.

“Automated Ontologically-Based Link Analysis of International Web Logs for the Timely Discovery of Relevant and Credible Information,” Air Force. 3/1/2006 to 2/28/2009.

“Semantic Information eXchange Architecture,” Navy. 1/19/2006 to 1/18/2008.

“Situational Behavior Modeling,” US Air Force Office of Scientific Research. 6/1/2006 to 5/30/2007.

“A Knowledge Development and Utilization Environment to Support Knowledge-Based Information Fusion in the Context of Asymmetric Warfare Information,” Army. 11/1/2005 to 10/31/2007.

Keynote Address, Third International Workshop on Software Methodologies, Tools and Techniques, 2004.

“A Formal Framework for Situation Awareness,” Air Force. 5/1/2003 to 4/30/2005.

Keynote Address, Second International Workshop on Software Methodologies, Tools and Techniques, 2003.

“Information Fusion Reference Model,” Army. 1/1/2005 to 6/30/2005.

“Achieving Interoperability of Emergency Response Teams Using Model Driven Architecture and Software Defined Radios,” NSF. 10/1/2002 to 9/30/2004.

“A Formal Framework for Situation Awareness,” Air Force. 5/1/2002 to 1/31/2003.

“UML-Based Ontology Toolset,” DARPA. 9/1/2000 to 8/31/2005.

“Architectures for ANT Based Adaptive Resource Management for Electronic Warfare,” DARPA. 10/1/1999 to 9/30/2002.

“Re-Engineering of Multi-Sensor Fusion Software Through the Use of Formal Methods,” Sanders, a Lockheed Martin Company. 1/1/1999 to 12/31/1999.

“Biomedical Science Information Retrieval and Management,” NIH. 10/1/1998 to 9/30/1999.

“Data/Knowledge Bases For Biological Papers And Techniques,” NSF. 1992 to 1995.

“Research on file access patterns,” Amdahl Corporation. 1988 to 1988.

“High-Performance Transaction Systems,” NSF. 1987 to 1989.

Keynote Address, Trends in Combinatorics, 1982.

Case Western Reserve University Centennial Medal, 1982.

“Algebra and Combinatorics,” NSF. 1979 to 1983.

“Combinatorial Theory,” NSF. 1977 to 1978.

“The Bracket Ring of a Combinatorial Geometry,” NSF. 1976 to 1977.

“James K. Whittemore Fellow,” Harvard University. 1975 to 1976.

“Graduate Fellowship,” NSF. 1971 to 1975.

“Woodrow Wilson Fellow,” Woodrow Wilson Foundation. 1971 to 1972.

Courses Taught

Web Service Development

Software Component Development

Introduction to Software Engineering

Transaction Processing Systems

Distributed Database Systems

Object-Oriented Design

Introduction to Database Management

Operating Systems Design

Data Modeling

Algorithms

C++ Programming

Data Structures

Assembly Language

Introduction to Computer Programming

Service Activities

Overall Chair, Ontology Summit. 2017.

Executive Committee Member and Treasurer, International Association for Ontologies and Applications. IAOA. 2016–present.

Co-Chair, Semantic Interoperability in the GeoSciences and Geographically Distributed Sensor Networks. Ontology Summit. 2016.

Member of Organizing Committee, Ontology Summit. 2016–present.

Member, Program Committee. International Workshop on Modular Ontologies. 7/2015.

Member of Organizing Committee, Ontology Summit. 2015.

Member of Organizing Committee, Workshop on Modular Ontologies (WoMO). 2014–present.

Chair, Masters Committee. College of Computer and Information Science. 2014–2016.

Member, Academic Appeals Committee. Northeastern University. 2014–2015.

Co-Founder and Chair, CMIS for Document Access Management (CMIS4DAM) Technical Committee. OASIS. 2014–present.

Co-Chair, Tackling the Variety Problem in Big Data. Ontology Summit. 2014.

Chair, Semantic Annotation of the Ontolog Community Environment. Ontology Summit. 2014.

Advisor, Hackathon. Ontology Summit. 2014.

Co-Chair, Semantic Web and Ontologies (SWAO) Special Interest Group. IAOA. 2014–present.

Member, Ontolog Board of Trustees. 2014–present.

Member of Organizing Committee, Ontology Summit. 2014.

Chair, Repositories Special Interest Group. IAOA. 2013–2014.

Member, Standards and Ontologies Special Interest Group. IAOA. 2013–2014.

Member of Organizing Committee, Ontology Summit. 2013.

Chair, Ontology Tools Survey. Ontology Summit. 2013.

Co-Chair Organizing Committee, Hackathon. Ontology Summit. 2013.

Co-Chair, OOR-Ontohub-Gatekeeper API Workshop. 2013.

Chair, Ontologies and Standards for Social Networking Workshop. 2013.

Co-Chair, Guide to Reasoning Applications Development and Cases. Ontology, Rules, and Logic Programming for Reasoning and Applications. 2013.

Co-Chair, Open Ontology Repository Development Workshop. OOR Initiative. 2013.

Co-Chair, Software Environments for Evaluating Ontologies Track. Ontology Summit. 2013.

Co-Chair, Leveraging Semantics on OntologPSMW. Ontology Summit. 2013.

Co-Chair, Ontohub-OOR-OOPS! Integration. Ontology Summit. 2013.

Co-Chair, Ontologies and Standards Mini-Series. 2012–2013.

Secretary of Steering Committee, Workshop on Modular Ontologies (WoMO). 2013–present.

Member, Content Management Interoperability Services (CMIS) Technical Committee. OASIS. 2013–present.

Member, Masters Committee. College of Computer and Information Science. 2013.

Chair, OASIS Integrated Collaboration Object Model for Interoperable Collaboration Services (ICOM) Technical Committee. OASIS. 2012–present.

Member, OASIS Open Data Protocol (OData) Technical Committee. OASIS. 2012–present.

Panelist, Bioengineering Sciences and Technologies: Shared Instrument Review. National Institutes of Health. 3/2012.

Member, Program Committee. International Workshop on Modular Ontologies. 7/2012.

Panelist, Review Panel on Collaboration with NCBCs. National Institutes of Health. 3/2011.

Presenter, OOR-BioPortal Joint Workshop. Ontolog Forum and NCBO. 2011.

Chair, University Standing Appeals Committee on Tenure. Northeastern University. 2011–2012.

Co-Chair, Open Ontology Repository Architecture Workshop Series. Ontolog Forum. 2011–2012 (twelve sessions).

Member, Organizing Committee and Program Committee. OCAS: Ontologies Come of Age in the Semantic Web at ISWC 2011. 2011.

Member, Program Committee. ACM Workshop on Medical Multimedia Analysis and Retrieval (MMAR 2011). 2011.

Member, University Standing Appeals Committee on Tenure. Northeastern University. 2010–2011, 2014–2015.

Member, Marius Solomon Evaluation Committee. Northeastern University. 2010–2011.

Member, Program Committee. IEEE Conference on Cognitive Methods in Situation Awareness and Decision Support (CogSIMA). 2010–present.

Member, Program Committee. ESWC 2010 Workshop on Ontology Repositories and Editors for the Semantic Web. 2010.

Member, Organizing Committee and Program Committee. ISWC 2010 Workshop on Semantic Repositories for the Web. 2010.

Panelist, Computational Modeling and Sciences for Biomedical and Clinical Applications. National Institutes of Health. 7/2009 (twice), 11/2009, 3/2010, 6/2010, 10/2010, 2/2011, 6/2011, 10/2011, 2/2012, 10/2012.

Panelist, Special Emphasis Panel. National Institutes of Health. 3/2009.

Panelist, Computer Shared Instrumentation. National Institutes of Health. 7/2009.

Member, International Association for Ontologies and Applications (IAOA). IAOA. 2009–present.

Chair, Open Ontology Repository Gathering. International Semantic Web Conference. 2009.

Chair, Ontology Repository Research Issues. Ontolog Forum and NCBO. 2009.

Member, Program Committee. Collaboration and Ontology Repository Workshop (CCMaLiSK) at the International Semantic Web Conference. 2009.

Member, Program Committee. Transforming and Weaving Ontologies and Model Driven Engineering at the MoDELS Conference. 2008, 2009, 2010.

Co-Founder, Convener, Speaker and Session Chair, Open Ontology Repository Initiative. Ontolog Forum and NCBO. 2008–present (weekly virtual meetings).

Member, Frader Evaluation Committee. Northeastern University. 2008.

Series Chair, Emerging Ontology Content Showcase. Ontolog Forum. 2008.

Member, Provost Grant Review Board. Northeastern University. 2007.

Presenter, Panel on social networking. Northeastern University. 2007.

Convener, Speaker and Session Chair, Ontology Summit. National Institute of Standards and Technology. 2007, 2008.

Convener, Speaker and Session Chair, Ontolog Forum. NIST, IAOA and NCBO. 2007–present (weekly virtual meetings).

Presenter, Inaugural Encyclopedia of Life Meeting. Marine Biological Laboratory. 2007.

Panelist, Ad Hoc Study Group. National Institutes of Health. 7/2006, 9/2006, 1/2007.

Keynote Address, Introduction to the Semantic Web. 4th Semantic Interoperability for E-Government Conference. 2/2006.

Panelist, NIH - NIDDK Review Branch. National Institutes of Health. 2/2006.

Member, Program Committee. Semantic Modeling and Model-Driven Architecture (SMMDA). 2006.

Chair, Scientific Advisory Board of the Virtual Plant Information Network (VPIN). National Center for Genome Resources. 2005–2007.

Panelist, Biodata Study Group. National Institutes of Health. 7/2005, 10/2005.

Member, Program Committee. International Symposium on Network Computing and Applications. 2005.

Tutorial Presenter, Introduction to the Semantic Web for Bioinformatics. Computational Systems Bioinformatics Conference. 11/2005.

Program Committee Member, Workshop on Semantic Web Enabled Software Engineering. International Semantic Web Conference. 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013.

Session Chair, Conference. SPIE Conference on Multisensor, Multisource Information Fusion. 2005.

Member, Advisory Board. School of Technological Entrepreneurship, Northeastern University. 2004–2011.

Member, Program Committee. International Semantic Web Conference. 2004–2005.

Member, Program Committee. International Symposium on Network Computing and Applications. 2004–2005.

Session Chair, Symposium. International Symposium on Network Computing and Applications. 2004–2005.

Member, Search Committee for the Dean of the School of Technological Entrepreneurship. Northeastern University. 2004–2005.

Chair, Evaluation Committee for the Dean of the College of Engineering. Northeastern University. 2004.

Member, Program Committee. International Workshop on Software Methodologies, Tools and Techniques. 2003, 2004, 2005, 2006, 2007.

Member, Ontology Working Group. Object Management Group. 2002–2004.

Senator, Faculty Senate. Northeastern University. 2001–2003.

Member, UML2.0 Standardization Committee. Object Management Group. 2001–2003.

Member, Responsibility-Centered Management Committee. Northeastern University. 2001–2002.

Member, Financial Affairs Committee. Northeastern University. 2001–2002.

Member, School of Entrepreneurship Committee. Northeastern University. 2000–2001.

Co-Author, Web Ontology Language. World Wide Web Consortium. 2000–2001.

Co-Chair, Workshop on Behavioral Semantics. Object-Oriented Programming Languages, Systems and Architectures. 1999–2002.

Secretary, Evaluation Committee for the Dean of the School of Engineering Technology. Northeastern University. 1993–1994.

Secretary, Long-Range Planning Committee. Northeastern University. 1991–1992.

Member, Undergraduate Committee. College of Computer and Information Science. 1988–2013.

Member, Computing Resources Committee. College of Computer and Information Science. 1988–1989.

Advisor, Programmers Guild. College of Computer and Information Science. 1988–1989.

Advisor, Association for Computing Machinery Student Chapter. College of Computer and Information Science. 1988–1991.

Member, Committee on the Use of Computers in Advising. Northeastern University. 1989–1991.

Chair, Program Review Committee for Mechanical Engineering. Northeastern University. 1987–1988.

Chair, Program Review Committee of the Graduate Council. Northeastern University. 1984–1986.

Member, Graduate Council Executive Committee. Northeastern University. 1984–1986.

Member, Graduate Council. Northeastern University. 1984–1986.

Co-Chair, Joint Committee on Business-Computer Science Cooperation. College of Computer and Information Science. 1988–1993.

Member, Computer Resource Advisory Committee. College of Computer and Information Science. 1988–1990.

Chair, Hiring Committee. College of Computer and Information Science. 1988–1991.

Chair, Colloquium Committee. College of Computer and Information Science. 1985–1990.

Secretary, Tenure Committee. College of Computer and Information Science. 1988–1994, 2002–2003.

Member, Tenure Committee. College of Computer and Information Science. 1985–present.

Chair, Merit Review Committee. College of Computer and Information Science. 1987–1988, 2013–2015.

Member, Merit Review Committee. College of Computer and Information Science. 1985–1988, 1992–1993.

Member, Hiring Committee. College of Computer and Information Science. 1983–1991.

Chair, Sabbatical Leave Committee. College of Computer and Information Science. 1983–1989, 1991–1995, 1996–1997, 2004–2010.

Member, Graduate Committee. College of Computer and Information Science. 1983–1986.

President, GBSIGMOD. Association for Computing Machinery. 1986–1990, 1991–1993.

President, Greater Boston Chapter. Association for Computing Machinery. 1990–1992.

Vice-President, Greater Boston Chapter. Association for Computing Machinery. 1986–1988.

Member, Greater Boston Chapter Executive Board. Association for Computing Machinery. 1984–1999.

Treasurer, GBSIGMOD. Association for Computing Machinery. 1990–1991.

Chair, Greater Boston Chapter Volunteers Committee. Association for Computing Machinery. 1992–1993.

Chair, Greater Boston Chapter Strategic Planning Committee. Association for Computing Machinery. 1992–1993.

Member, SIGMOD. Association for Computing Machinery. 1984–2000.

Member, Greater Boston Chapter. Association for Computing Machinery. 1984–present.

Member, Computer Society. IEEE. 1984–present.

Member, Technical Committee on Data Engineering. IEEE. 1984–2000.

Member, Program Committee. IEEE-Boston. 1990–1994.

Chair, Greater Boston Chapter Program Committee. Association for Computing Machinery. 1984–1993.

Websites and Software

Hierarchical Access Path Language

Kenneth Baclawski.

Provides: software.

Purpose: research.

www.ccs.neu.edu/home/kenb/hapl

2015.

Knowledge Intensive Database System Ontology

Kenneth Baclawski.

Provides: software.

Purpose: research.

www.ccs.neu.edu/home/kenb/kids.owl

2016.

The SoapRest Web Services Package

Kenneth Baclawski.

Provides: software.

Purpose: research.

www.ccs.neu.edu/home/kenb/soaprest

2014.

Java EAPG - An Extended ABNF Parser Generator

Kenneth Baclawski.

Provides: software.

Purpose: research.

www.ccs.neu.edu/home/kenb/eapg.jar

2014.

Northeastern University Pseudo Cone Facility (NUPCF)

Kenneth Baclawski.

Provides: software, website.

Purpose: research.

www.ccs.neu.edu/home/kenb/nupcf

2011.

Database problems and solutions (DPSS)

Kenneth Baclawski.
Provides: software, website.
Purpose: teaching.
www.ccs.neu.edu/home/kenb/db
2011–present.

Purple Semantic Media Wiki
Kenneth Baclawski, Peter Yim, Tejas Parikh, Sumit Purohit.
Provides: software, website.
Purpose: research, service.
project.cim3.net/wiki/PSMW
2011–present.

Use Case Description Ontology
Kenneth Baclawski.
Provides: ontology.
Purpose: research, service.
www.ccs.neu.edu/home/kenb/ontologies/ucdo.owl
2010.

KEEPER Project
Kenneth Baclawski, Maximo Gurmendez.
Provides: software, website.
Purpose: research.
2010–2014.

Open Ontology Repository Use Case Descriptions
Kenneth Baclawski, Maximo Gurmendez.
Provides: software, website, ontology.
Purpose: research.
www.ccs.neu.edu/home/kenb/ontologies/oor-usecase.xml
2010.

Introduction to Probability with R
Kenneth Baclawski.
Provides: software, website, textbook.
Purpose: teaching.
stochas.org
2008–present.

Purple Media Wiki Extension
Kenneth Baclawski, Peter Yim, Tejas Parikh, Viral Gupta, Sumit Purohit.

Provides: software, website.
Purpose: research, service.
project.cim3.net/wiki/PMWX
2008–present.

Open Ontology Repository

Kenneth Baclawski (PI), Peter Yim, Todd Schneider, Michael Gruninger, National Center for Biomedical Ontologies, Open Ontology Repository Initiative.

Provides: software, website.

Purpose: research.

oor.net

2008–present.

Ontologies for Bioinformatics Website

Kenneth Baclawski, Tianhua Niu.

Provides: website.

Purpose: teaching, textbook.

ontobio.org

2005.

Eleventh OOPSLA Workshop on Behavior Semantics

Kenneth Baclawski, Haim Kilov.

Provides: website.

Purpose: service.

www.ccs.neu.edu/home/kenb/oopsla2002

2002.

Tenth OOPSLA Workshop on Behavior Semantics

Kenneth Baclawski, Haim Kilov, Angelo Thalassinidis, Kevin Tyson.

Provides: website.

Purpose: service.

www.ccs.neu.edu/home/kenb/oopsla2001

2001.

Ninth OOPSLA Workshop on Behavior Semantics

Kenneth Baclawski, Haim Kilov, Angelo Thalassinidis, Kevin Tyson.

Provides: website.

Purpose: service.

www.ccs.neu.edu/home/kenb/oopsla2000

2000.

Java RMI and Synchronization Tutorials

Kenneth Baclawski.
 Provides: software, website.
 Purpose: teaching.
www.ccs.neu.edu/home/kenb/tutorial
 1998–present.

Partial List of Students

Student	Title or Topic Area	Term
Thomas Fleming	Distributed Databases	1985 Winter
Elliott Smith	Knowledge Representations	1985 Winter
Richard Weeks	Natural Language Front Ends to Databases	1986 Spring
David Laplante	Capturing More Meaning in Databases	1986 Spring
Lee Mandell	Capturing More Meaning in Databases	1986 Spring
Whit Stockwell	Capturing More Meaning in Databases	1986 Spring
George Jreige	Enhancing Knowledge Representations	1986 Spring
Vivian Carpenter	Using the Decision-Tree Model in Database Design	1986 Spring
Ying Ng	Using the Decision-Tree Model in Database Design	1986 Spring
Manus Fealy	Integrating User Views in Database Design	1986 Spring
Chetan Mepani	Integrating User Views in Database Design	1986 Spring
Barry Sullivan	Logic Programming	1986 Spring
Tin-yan Sun	Comparison of Pascal and Ada	1986 Spring
Michael Llewellyn Jr	Rule-based Systems	1986 Spring
Nicolas Lossky	Rule-based Systems	1986 Spring
John Buczkowski	Object-Based Computing and the Ada Language	1986 Spring
Susanne Chan	Object-Based Computing and the Ada Language	1986 Spring

Student	Title or Topic Area	Term
Jeffrey Bloomberg	Animating Programs Using Smalltalk	1986 Spring
Tom Friends	A Taxonomy of Current Issues in Requirements Engineering	1986 Spring
Ashvin Patel	Structured Analysis Concepts	1986 Spring
Richard Fucarile	Data Flow Design	1986 Spring
Scott Ribiero	Functional Decomposition	1986 Spring
Ian Campbell	Data Structure Design	1986 Spring
Frederick Dacey III	Learning from AI: New Trends in Database Technology	1986 Spring
Jeff Mattson	AI Techniques for Database Management	1986 Spring
Patricia Castillo	Software Engineering	1987 Fall
Roy Rubinstein	Software Engineering	1987 Fall
Jun Chen	High-Performance Transaction Processing Systems	1988 Spring
Jyh-Hwa Chen	High-Performance Transaction Processing Systems	1988 Spring
Siu Pong Choa	High-Performance Transaction Processing Systems	1988 Spring
Hsing-Tao Chou	High-Performance Transaction Processing Systems	1988 Spring
Jean Collins	High-Performance Transaction Processing Systems	1988 Spring
Sunil Contractor	High-Performance Transaction Processing Systems	1988 Spring
Yiannis Doganis	High-Performance Transaction Processing Systems	1988 Spring
Whaeeb Ghafoor	High-Performance Transaction Processing Systems	1988 Spring
Christine Hammond	High-Performance Transaction Processing Systems	1988 Spring
Wing Lam	High-Performance Transaction Processing Systems	1988 Spring
Henry Rausen	High-Performance Transaction Processing Systems	1988 Spring
Tze-Ming Tsang	High-Performance Transaction Processing Systems	1988 Spring

Student	Title or Topic Area	Term
Jackson Wynn	High-Performance Transaction Processing Systems	1988 Spring
Er Hong Ye	High-Performance Transaction Processing Systems	1988 Spring
You Yi Zhang	High-Performance Transaction Processing Systems	1988 Spring
Timothy Mark	Semantic Data Modeling	1988 Spring
Ramesh Ramachandran	Semantic Data Modeling	1988 Spring
Robert Newby	Semantic Data Modeling	1988 Spring
Ignacio Silva-Lepe	Consistency Checking of Semantic Data Models	1990 Winter
Christine Stamelos	Name Service for Semantic Data Models	1990 Winter
Beth Wolfset	Semantic Data Models	1990 Winter
Jacek Kruszelnicki	Bibliographic database	1990 Summer
Jing Wang	View mechanisms for alpha model	1990 Summer
Tong Liu	Graphic annotation and display	1990 Summer
Raj Baberwal	Graphic display for the alpha model	1990 Summer
Louis Bragaw	Natural Language Explanations	1990 Summer
Eric Parker	Knowledge Engineering Shells	1990 Summer
Olaf Kruger	Knowledge and Logic Databases	1990 Summer
Neal Kelley	Practical CASE/ER tools	1990 Summer
Roy L. Moore	Semantic Data Models	1990 Summer
Xiaoji Cai	Object-oriented data models	1990 Summer
Yunhong Li	Natural language explanation	1990 Summer
Yuen Zhang	Semantic Data Modeling	1990 Summer
Yalan Ji	Schema Translation	1992 Winter
Sreenivasulu Guduguntla	Network Emulation Tool Extension	1992 Spring
Brinda K Keralavarma	Graphic User Interface for Data Modeling	1992 Fall
Krishna Boppana	Automated Student Advising	1993 Summer
Hong Shao	Lock Manager for the Transaction Processing Emulation Tool	1993 Summer
Wayne Vetrone	Transaction Processing Systems	1994 Summer
Shobana Sampath	Information Retrieval for Student Advising	1994 Summer

Student	Title or Topic Area	Term
Kiran Kasibhatla	User Interface for Student Advising	1994 Summer
Xiang Li	Graphic User Interface for Student Advising	1994 Summer
Prasad Ayyalasomayajula	Graphic User Interface	1995 Spring
Doug Waters	Transaction Processing Simulation	1996 Winter
Yelena Prusakov	Airport Management System	1999 Winter
Manoj Thadani	Distributed File System	1999 Winter
Arvind Meda	Information and Content Exchange (ICE) Protocol	1999 Fall
Artan Simeqi	Information and Content Exchange (ICE) Protocol	1999 Fall
Chi Zhang	Information and Content Exchange (ICE) Protocol	1999 Fall
Furong Yang	Information and Content Exchange (ICE) Protocol	1999 Fall
Jaimin Patel	WebAdvisor	2000 Spring
Jarrod Whelan	WebAdvisor	2000 Spring
Ricky Girglani	ROSE Model for XAdvisor	2000 Spring
Ping Wang	WebAdvisor	2000 Spring
Lyuba Yelovich	WebAdvisor	2000 Spring
Fang Lan	WebAdvisor	2000 Summer
Lyubov Yelovich	Multi-Agent Systems	2000 Fall
Nilesh Nagraj Rathod	Distance Learning Software	2001 Winter
Jinying Zhong	Component-Based Distributed Systems	2002 Fall
Nilgun Unver	Component-Based Distributed Systems	2002 Fall
Weizhen Ji	Component-Based Distributed Systems	2002 Fall
Xi Xian	Component-Based Distributed Systems	2002 Fall
Zhaoming Lu	Component-Based Distributed Systems	2002 Fall
Shyama Gavrulla	Linux Device Drivers	2002 Spring
Lakshman Easwaran	Benchmarks for Major Database Systems	2002 Spring

Student	Title or Topic Area	Term
Kevin Amarin	Beowulf Cluster	2003 Spring
Vishesh Duggar	Integration of Decision Analysis	2007 Spring
David Ortiz	Powerline Network Communication System	2007 Spring
Viral Gupta	Fine-Grained Addressability to Support Large-Scale Collaborative Document Development	2008 Spring
Tejas Parikh	Fine-Grained Addressability of MediaWiki Websites	2009 Spring
Munmun Mahapatra	Transclusion for Fine-Grained Collaboratively Developed Artifacts	2009 Fall
Shruti Dabhade	Object-Oriented and Classical Software Engineering Methods	2009 Fall
Sapna Gathani	Active Wiki Tagging	2010 Fall
Srividya Mandaleeka	Semantic Search for Disease Reports	2010 Fall
Laila Nurani	Metadata Registry ISO/IEC 11179 Registration System using ORM	2010 Spring
Bipinkumar Shetty	Administration of ISO/IEC 11179 Metadata registries (MDR)	2010 Spring
Hyuk Park	Query Interface for MIMIC-II	2011 Fall
John O'Connor	Python based ORM (Object RDF Mapper)	2011 Fall
Gaurav Durgule	Computer Aided Standards Development (CASD) Semantic consistency among standards	2014 Summer
Sankalpa Kulkarni	Computer Aided Standards Development Process	2014 Summer
Srinivas Varadharajan	A Software Tool to Automate Standards Development Process	2014 Summer
Vivek Singh Chouhan	Computer Aided Standard Design	2014 Summer
Akshay Tekkatte Raghavend Hathwar	Computer Aided Standards Development (CASD)	2014 Summer
Vishakha Motwani	CASD Tool Interface for Document Generation	2014 Summer

Student	Title or Topic Area	Term
Ankit S. Agrawal	Decision Making Process for Financial Services	2015 Summer
Shruthi Keerthi Balki	Student Information Management	2015 Summer
Ranjita Bhattacharyya	Decision Making Process for Cloud Service	2015 Summer
Prasanna D. Deolankar	Decision Making Process for Financial Services	2015 Summer
Swapnil Sharadkumar Gupta	Student Information Management	2015 Summer
Pramod R. Khare	Student Information Management	2015 Summer
Saurabh Kumar Kulkarni	Decision Making Process for Customer Service	2015 Summer
Sahil Mehta	Decision Making Process for Financial Services	2015 Summer
Sumit Suresh Nair	Decision Making Process for Customer Service	2015 Summer
Mamata D. Prabhu	Decision Making Process for Financial Services	2015 Summer
Dipanjan Haldar	Thread Intensity Analytics	2017 Summer
Sanhita Bangalore SreenivasaMurthy	Effects of Stress and Distraction on Operator Performance	2017 Summer