

Graduate Students Advised

1. Stoffer, Shawn, 2007 (expected), *M.S. Project*, Issues in Natural Language Search Engine Design and Implementation, Department of Computer Science, University of Colorado at Colorado Springs.
2. Selvam, Priyadarshini, 2007 (expected), *M.S. Project*, Handling Phrase Searches in a Web Search Engine, Department of Computer Science, University of Colorado at Colorado Springs.
3. Leung, Enoch, 2007 (expected), *M.S. Project*, Design and Implementation of a Question-based Search Engine Component, Department of Computer Science, University of Colorado at Colorado Springs.
4. Dabbour, Waleed, 2007 (expected), *M.S. Project*, Online Chef: Using Smart Card for Authentication and Secure Data Storing, Department of Computer Science, University of Colorado at Colorado Springs.
5. Patwa, Ankur, 2006 (expected), *M.S. Project*, Design and Implementation of a Parallel Crawler, Department of Computer Science, University of Colorado at Colorado Springs.
6. Bhave, Sunil, 2006 (expected), *M.S. Project*, The Image Component of the Needle Search Engine, Department of Computer Science, University of Colorado at Colorado Springs.
7. Guntupalli, Srinivasan, 2007 (expected), *M.S.*, University of Colorado at Colorado Springs, Exploring the Semantic Web and Building an Ontology for Bioinformatics
8. Somarapu, Kiran, 2007 (expected), *M.S.*, University of Colorado at Colorado Springs
9. **Stoutenburg, Suzette**, 2008 (expected), *Ph.D.*, University of Colorado at Colorado Springs.
10. Wilson, William, 2007 (expected), *Ph.D.*, Intrusion Detection System, Computer Science Department, University of Colorado at Colorado Springs
11. **Mona Soliman Habib**, 2007 (expected), *Ph.D.*, Computer Science Department, University of Colorado at Colorado Springs
12. Steven Campbell, 2006 (expected), *M.S. Project*, A Review and Implementation of Combinatorial Optimization Algorithms Applied to Workforce Scheduling Computer Science, University of Colorado at Colorado Springs.
13. Horton, James, 2007 (expected), *M.S.*, Computer Science Department, University of Colorado at Colorado Springs
14. Hamman, Ron, 2007 (expected), *M.S.*, Computer Science Department, University of Colorado at Colorado Springs
15. Badam, Balaji Ravi Kumar, 2007 (expected), *M.S.*, Computer Science Department, University of Colorado at Colorado Springs
16. **Sharma, Utpal**, 2006 (expected), *Ph.D.*, Data Mining Textual Documents on the Web for Learning Morphology of an Indo-European Language, Computer Science Department, Tezpur University, Assam, India (co-advisor with Dr. Rajib Das)
17. Sudarshanam, Samatha, 2007 (expected), *M.S.*, Building a Web Portal for Distance Education, Computer Science Department, University of Colorado at Colorado Springs
18. Harnish, Robert, 2006 (expected), *M.S.*, Generating Tests for Comprehensive Testing of Graphical User Interfaces, Computer Science Department, University of Colorado at Colorado Springs.
19. Patnagar, Sonali, 2006, *M.S. Project*, The Needle Crawler: A Large Crawler of .edu Domains, Department of Computer Science, University of Colorado at Colorado Springs.
20. Zhang, Yi, 2006, *M.S. Thesis*, [The Design and Implementation of a Search Engine with the Cluster Rank Algorithm](#), Department of Computer Science, University of Colorado at Colorado Springs.

21. Schott, Jeffrey, 2006, *M.S. Thesis*, Economic Analysis through Neuro-Fuzzy Time Series Analysis, Computer Science Department, University of Colorado at Colorado Springs
22. Kodavanti, Apparao, 2005, *M.S. Project*, Implementation of an Image Search Engine, Department of Computer Science, University of Colorado at Colorado Springs
23. Jing Yang, 2005, *M.S. Thesis*, Design and Implementation of a Text Search Engine for the UCCS Domain, Computer Science Department, University of Colorado at Colorado Springs
24. Nandoor, Sai, 2005, *M.S. Project*, Cocolysis: Stable Coil Based Coiled Coli Protein Database, Computer Science Department, University of Colorado at Colorado Springs
25. Ramararo Desaraju, 2005, *M.S. Project*, A Parallel Implementation of a Parsimony-Based Method for Phylogenetic Inference, Computer Science Department, University of Colorado at Colorado Springs
26. **De Looze, Lori**, 2005, *Ph.D.*, Applying Soft-Computing Techniques to Intrusion Detection, Computer Science Department, University of Colorado at Colorado Springs
27. Adipudi, Padmaja, 2004, *M.S. (did not graduate)*, Computer Matching Web Site
28. Adimulam, Kiran, 2004, *M.S. Project*, Modeling and Simulation of Aspects the Adaptive Immune System, Computer Science Department, University of Colorado at Colorado Springs
29. Vinton, Peter, 2004, *M.S. Thesis*, Document Relevancy and Relation through Image Representation, Computer Science Department, University of Colorado at Colorado Springs
30. Krishanan, Anilkumar, 2004, *M.S. Project*, Modeling and Simulation of Aspects of the Innate Immune System, Computer Science Department, University of Colorado at Colorado Springs
31. Srikantaswami, Aparna, 2004, *M.S.*, Modeling amino acids and proteins using an object-oriented language for visualization of transcription and translation, Computer Science Department, University of Colorado at Colorado Springs
32. Madhyamapurush, Chalitda, 2002-2004, *Ph.D.*, (*did not graduate*), Computing for the Disabled.
33. **Gonzalez, Hector Gerardo Perez**, 2003, *Ph.D.*, Automated Techniques for Object Oriented Analysis and Design From Natural Language Problem Statements, Computer Science Department, University of Colorado at Colorado Springs (co-advisor with Dr. Richard Wiener)
34. Hans, Reena, 2003, *M.S.*, Integrated Modeling and Simulation of Adaptive and Innate Immune Systems, Computer Science Department, University of Colorado at Colorado Springs
35. Gomathy, Sankara, 2003, *M.S.*, Modeling and Simulation of Cell Davison and DNA replication, Computer Science Department, University of Colorado at Colorado Springs
36. Abraham, Litis, 2002, *M.S.*, (*did not graduate*), Designing a Web Portal
37. Muthu, Joseph, 2003, *M.S.*, Building a Web Portal using Support Vector Machines, Computer Science Department, University of Colorado at Colorado Springs
38. Brinkman, David, 2003, *M.S.*, Prediction of Folding, Stability and Structure of Proteins from Amino Acid Sequences, Computer Science Department, University of Colorado at Colorado Springs
39. Kotnik, Cliff, 2003, *M.S. Thesis*, Co-evolution of Two Machine Learning Techniques: Particle Swarm Optimization and Backpropagation of Temporal Differences, Computer Science Department, University of Colorado at Colorado Springs
40. Choe, Youn Kee, 2002, *M.S. (did not graduate)*, Monitoring Web Sites for Change
41. Bellary, Sridevi, 2002, *M.S.*, Evaluating Unsupervised Clustering Algorithm M.S. for Gene Array Expression Data Analysis, Computer Science Department, University of Colorado at Colorado Springs

42. Mohanty, Indira, 2002, *M.S.*, Ant-Colony Optimization Approach for Optimal Restoration Sequences in Distribution System., Computer Science Department, University of Colorado at Colorado Springs
43. Cuppy, Brad, 2002, *M.S.*, Experiments in Software Watermarking, Computer Science Department, University of Colorado at Colorado Springs
44. Somarapu, Hima, 2002, *M.S.*, Semi-automatic Extraction of Nested Data from Web Pages, Computer Science Department, University of Colorado at Colorado Springs
45. Reddy, Sudhakara, 2002, *M.S.*, Web Personalization by Recommendation, Computer Science Department, University of Colorado at Colorado Springs
46. Anem, Baba, 2001, *M.S.*, Integrating an Automated Information Extractor and a System of Cooperative Agents to Build a Comparison Shopping System, Computer Science Department, University of Colorado at Colorado Springs
47. Devabhaktuni, Vishnu Priya, 2001, *M.S.*, A Comparison-Shopping Agent for the World Wide Web, Computer Science Department, University of Colorado at Colorado Springs
48. Prabhakaramurthi, Vidya, 2001, *M.S.*, Experiments in Automatic Text Summarization, Computer Science Department, University of Colorado at Colorado Springs
49. Conlon, Suzanne, 2000, *M.S.*, Interactive House, A Home Automation System on the Internet, University of Colorado at Colorado Springs
50. Rohilla, Paritosh, 2000, *M.S.*, Automated Information Extraction from Web Pages for Comparison Shopping Using Interactive Learning Agent, Computer Science Department, University of Colorado at Colorado Springs
51. Rui, Zhicheng, 2000, *M.S.*, A System of Cooperative Agents for the World Wide Web, Computer Science Department, University of Colorado at Colorado Springs
52. Xun, Xaomei, 2000, *M.S.*, A Document Classifier System Using Boosting of Machine Learning, Computer Science Department, University of Colorado at Colorado Springs
53. Conlon, Suzanne, 2000, *M.S.*, Interactive House: A Home Automation System on the Internet, Computer Science Department, University of Colorado at Colorado Springs
54. Pearce, Robin, 1999, *M.S.*, The Use of Singular Value Decomposition for Information Retrieval, Computer Science Department, University of Colorado at Colorado Springs
55. Pavlik, Richard Lance, 1999, *M.S.*, Application of Machine Learning and Expert System Technology to Football Clock Management, Computer Science Department, University of Colorado at Colorado Springs
56. Williams., James Stephen, 1997, *M.S.*, Natural Language Processing and the Minimalist Program, Computer Science Department, University of Colorado at Colorado Springs
57. Patterson, Nicholas, 1997, *M.S. (didn't graduate)*, Inductive Learning using Progol
58. Meka, Sekar, 1997, *M.S. (didn't graduate)*, Inductive Learning in Ping-pong Playing
59. Ruiz, Margaret, 1997, *M.S. (didn't graduate)*, Natural Language Translation from English to Spanish and Vice Versa
60. James, Wayne Edward, 1996, *M.S.*, Representation of Knowledge about Physical Objects for Natural Language Processing, Computer Science Department, University of Colorado at Colorado Springs
61. Griffin, Darren, 1996, *M.S.*, Articulate Figure Walking, Computer Science Department, University of Colorado at Colorado Springs
62. Bastian, Gary, 1996, *M.S. (didn't graduate)*, Computational Treatment of English Locatives
63. Bergacker, David Brian, 1995, *M.S.*, MUCPOP: A Multi-Contributor Universally Quantified Conditional Effect Partial Order Planner, Computer Science Department, University of Colorado at Colorado Springs
64. Sahr, Kevin Michael, 1995, *M.S.*, A Distance Constraint Approach to Inverse Kinematics for Positioning Animated Human Agents, Computer Science Department, University of Colorado at Colorado Springs

65. Spahn, John David, 1994, *M.S.*, Application of Expert System to the Autonomous Control of Fleet Satellite Communications Spacecraft, Computer Science Department, University of Colorado at Colorado Springs
66. Nystuen, Benjamin Breen, 1994, *M.S.*, A Corpus-Based Statistical Study of Nominal Compounds in an Untagged Text Using a Machine Readable Dictionary, Computer Science Department, University of Colorado at Colorado Springs.
67. Macholz, William Alan, 1994, *M.S.*, A Layered Model of the Human Body for Articulated Figure Animation, Computer Science Department, University of Colorado at Colorado Springs
68. Burch, William, 1994, *M.S.*, A Simulation of Artificial Life, Computer Science Department, University of Colorado at Colorado Springs
69. Heichelheim, Karl, 1993, *M.S.*, A Lisp-Based System for Knowledge Representation, Computer Science Department, University of Colorado at Colorado Springs
70. Miller, Bryan, 1993, *M.S.* (*didn't graduate*)
71. Jesse, Lisa, 1992, *M.S.*, Temporal Transition Models: An Approach to Situation Assessment and Prediction in Intelligence Domains, Computer Science Department, University of Colorado at Colorado Springs
72. Monical, Robert, 1993, *M.S.*, Visual Data Representation for C2 Systems
73. Mellott, Eric, 1992, *M.S.*, Human Computer Interaction in Real-Time Decision Support System, Computer Science Department, University of Colorado at Colorado Springs

Undergraduate Research Students Advised

1. Savage, Dustin, Fall 2005, Computer Generated Imaging
2. George, Jonathan, Summer 2004, Creating a database driven Web site for reporting terrorist activities from around the world.
3. Gray, Justin, Spring 2004, Investigation into Models of Institutional Security
4. Nguyen, Daniel, Spring 2004, Designing and Implementing a Database for Serving Music for an Online Radio Station.
5. Schill, Brian, Spring 2004, Using Machine Learning to Predict the Value of a Stock in the Short Term,
6. Sterling, Nick, Fall 2003, Developing a Web Content Management System for the UCCS Bioenergetics Institute
7. Cook, Patrick, 2002
8. Reese, Jeramiah, 2002, Inter-process Communication Using SOAP
9. Gross, Seth, 2002, Developing a Web Content Management System Using MySQL and PHP
10. Zartucci, Elizabeth, EE student, 2001
11. Jiang, Qin Qin, 2001
12. Horton, James, 2000
13. Pedri, Mark, 1999, Developing a Web-based Radio Station for the UCCS Campus
14. Vinton, Peter, 1997, Visualization of Document Similarity
15. Santos, Dion, 1996, Current Advances in World Wide Web Programming
16. Hornbeck, Victor, 1996, Investigating Parsing Using Government and Binding Theory of Noam Chomsky
17. Normann, Kevin, 1995, Controlling a Robot Using Assembly Language Programming
18. Kettner, James, 1994, A Graphical Object Builder
19. Conover, Scott, 1991, Explaining the Link Between Natural Language Understanding and Computer Graphics

Serving on Graduate Advisory Committees

1. Wilson, Brett, M.S. Project, *Threshold Paillier Encryption Web Service*, Department of Computer Science, University of Colorado at Colorado Springs, 2006 (advisor: Edward Chow).
2. Marjiniemi, Curt, M.S. Project, *Vendor Management Web Application using software development methods Scrum, Test Driven Development (TDD) and Continuous Integration*, Department of Computer Science, University of Colorado at Colorado Springs, 2006 (advisor: Timothy Chamillard).
3. Sae Chai, Suphanee, M.S. Project, *A Software Application for Managing a Veterinary Clinic*, Department of Computer Science, University of Colorado at Colorado Springs, 2006 (advisor: Timothy Chamillard).
4. Allen, Timothy Lee, M.S. Thesis, *Dynamic Calculation of Polynomial Coefficients for Use in Telemetry*, Department of Computer Science, University of Houston, 2006 (advisor: Albert Cheng).
5. Baker, Kristy, M.S. Thesis, *Allosteric Binding Affinity of Human Hexokinase Type II*, Department of Chemistry, University of Colorado at Colorado Springs, 2006 (advisor: Sonja Braun-Sand).
6. Cook, Patrick, D., M.S. Thesis, *JEEMA: Java Enterprise Edition Multilevel Access Web Portal*, Department of Computer Science, University of Colorado at Colorado Springs, 2006 (advisor: Dr. Edward Chow).
7. Wise, Stephen. M.S. Thesis, *The Design and Implementation of Secure Information Sharing Manager (SIS-M)*, Department of Computer Science, University of Colorado at Colorado Springs, 2006 (advisor: Dr. Edward Chow).
8. Jelenik, Sarah, M.S Project, *Design and Implementation of A Cooperative, Autonomous, Anti-DDoS Network Using Intruder Detection and Isolation*, Computer Science, 2006 (advisor: Dr. Edward Chow)
9. Andukuri, Murthy. M.S. Thesis, *Efficient Asymmetric Secure iSCSI*, Computer Science Department, University of Colorado at Colorado Springs, 2006 (advisor: Dr. Edward Chow).
10. Weaver, Matthew. M.S. Project, *Non-Malicious Exploit-Based Network Topology and Bandwidth Analysis*, Computer Science Department, University of Colorado at Colorado Springs, 2006 (advisor: Dr. Edward Chow).
11. Reese, Jeramie, M.S. Project, *Version Verification System (V2S)*, Department of Computer Science, UCCS, 2005 (advisor: Dr. Timothy Chamillard).
12. Lizarraga, Maria, M.S., Computer Science, 2005 (advisor: Dr. Lewis Pinson)
13. Jaffar, Humzah, M.S., Computer Science, 2005 (advisor: Dr. Xiabo Zhou)
14. Boone, Steve, M.S., Computer Science, 2005 (advisor: Dr. Sudhanshu Semwal)
15. Box, Paul, M.S., Computer Science, 2005 (advisor: Dr. Timothy Chamillard)
16. Goold, Scott, M.S. Project, *Automated Financial Forecast Generator (AF2G)*, Computer Science Department, University of Colorado at Colorado Springs, 2005 (advisor: Dr. Timothy Chamillard)
17. Taylor, Jeremy, M.S., Computer Science, 2005
18. Patil, Jayant, M.S., Computer Science, 2005 (advisor: Dr. Edward Chow)
19. Sunderam, P. Jaya, *M.S. Thesis, Investigation into Image Quality Metrics for Face Recognition*, Department of Computer Science, University of Colorado at Colorado Springs, 2005 (advisor: Dr. Terry Boulton).
20. Ferraro, Patricia, M.S., Computer Science, 2004 (advisor: Dr. Edward Chow)
21. Moffett, James, M.S., Computer Science, 2004 (advisor: Dr. Timothy Chamillard)
22. Majumdar, Kalpana, M.S. Computer Science, 2004 (advisor: Dr. Edward Chow)

23. Kosuri, Syama, M.S., Computer Science, 2003 (advisor: Dr. Edward Chow)
24. Merlin, Vincent, M.S., Computer Science, 2003
25. Norman, David, M.S., Computer Science, 2003 (advisor: Dr. Sudhanshu Semwal)
26. Li, Longhua, M.S., Computer Science, 2002 (advisor: Dr. Edward Chow)
27. Beshaha, Bob, M.S., Applied Mathematics, 2002 (advisor: Dr. Robert Carlson)
28. Cearn, Angela, M.S., Computer Science, 2002 (advisor: Dr. Edward Chow)
29. Harvey, John, M.S., Computer Science, 2001-2002 (advisor: Dr. Dushan Badal)
30. Knight, Kip, Ph.D., Computer Science, 2002-2005 (advisor: Dr. Sudhanshu Semwal)
31. Potter, Glenn, M.S., Computer Science, 2002
32. Robertson, Jeff, M.S., Electrical and Computer Engineering, 2002
33. Watson, Frank, M.S., Computer Science, 2002-2005 (advisor: Dr. Edward Chow)
34. Yedula, Aparna, M.S., Computer Science, 2002 (advisor: Dr. Edward Chow)
35. Bhattacharyya, Dhruba, Ph.D., Computer Science, Tezpur University, Assam, India, 1999-2001
36. Prakash, Chandra, M.S., Computer Science, 2001 (advisor: Dr. Edward Chow)
37. Wang, Weihong, M.S., Computer Science, 2001 (advisor: Dr. Edward Chow)
38. Midgley, Brad, M.S., Computer Science, 2001 (advisor: Dr. Marijke Augusteijn)
39. Tongue, Stan, M.S., Computer Science, 2000
40. Salmon, Tom, M.S., Computer Science, 1998
41. Johansson, Magnus, M.S., Computer Science, 1996-98 (advisor: Dr. Edward Chow)
42. Tubbs, Hollis, M.S., Computer Science, 1996-98
43. Shaw, Kelly, Ph.D., Computer Science, 1998 (advisor: Dr. Marijke Augusteijn)
44. Jessop, Richard, M.S., Computer Science, 1997
45. Olsson, Jonas, M.S., Computer Science, 1997 (advisor: Dr. Edward Chow)
46. Grovenstein, James, M.S., Computer Science, 1997
47. Braun, Kim, M.S., Computer Science, 1997
48. Hansmats. Anders, M.S., Computer Science, 1997, (advisor: Dr. Edward Chow)
49. Schaffer, Albert, M.S., Computer Science, 1996-97
50. Zweig, Ann, M.S., Computer Science, 1996-97
51. Varma, Vasudev, Ph.D., Computer Science, University of Hyderabad, India, 1997
52. Liu, Wei, Ph.D., Department of Electrical and Computer Engineering, UCCS, 1996-97 (advisor: Dr. Thottam Kalkur)
53. McCullough, Debra, M.S., Computer Science, 1996 (advisor: Dr. Sudhanshu Semwal)
54. Watson, Billy, M.S., Computer Science, 1996
55. Faulkner, Ardith, M.S., Computer Science, 1995-96
56. Trainor, Tim, M.S., Computer Science, 1996
57. Sandstrom, Anders. M.S., Computer Science, 1996, (advisor: Dr. Edward Chow)
58. Chadwick, Joe, M.S., Computer Science, 1996
59. Patel, Dipak, M.S., Computer Science, 1996
60. Quaderkirk, Dianne, M.S., Computer Science, 1995
61. Karanjia, Rukshana, M.S., Computer Science, 1995, (advisor: Dr. Edward Chow)
62. D'Souza, Joanne, M.S., Computer Science, 1995
63. Watry, Michael, M.S., Computer Science, 1995 (advisor: Dr. Joel Lee)
64. Bolt, David, M.S., Computer Science, 1995 (advisor: Dr. Sudhanshu Semwal)
65. McCarthy, Karri, M.S., Computer Science, 1994
66. McDermott, Kevin, M.S., Computer Science, 1994
67. Lechner, Michael, M.S., Computer Science, 1994
68. Castro, Angel, M.S., Computer Science, 1994
69. Gastelum, George, M.S., Computer Science, 1993-94
70. Clemens, Laura, M.S., Computer Science, 1994
71. Beckman, Alfred, M.S., Computer Science, 1993

72. Soto, Juan Carlos, M.S., Computer Science, 1993 (advisor: Dr. Marijke Augusteijn)
73. Starbuck, Lars, M.S., Computer Science, 1993
74. Gonzalez, Michaela, M.S., Computer Science, 1993
75. Bjornberg, Gregory, M.S., Computer Science, 1993
76. Eigel-Danielson, Vickie, M.S., Computer Science, 1992
77. Melendez, Fred, M.S., Computer Science, 1991-92
78. Littleton, P., M.S., Computer Science, 1992
79. Kingsley, P., M.S., Computer Science, 1992
80. Goforth, M., M.S., Computer Science, 1992
81. Grebenc, C., M.S., Computer Science, 1992
82. Richards, James, M.S., Computer Science, 1991-92
83. Dow, Douglas, M.S., Computer Science, 1991 (advisor: Dr. Sudhanshu Semwal)
84. Ressler, James, M.S., Computer Science, 1990-91
85. Strub, Jordan, M.S., Computer Science, 1990-91
86. Feng, Ya-Shu, M.S., Computer Science, 1991
87. Swann, Paul, M.S., Computer Science, 1991