Curricula Vita of Matthew Evett
Department of Computer Science
Eastern Michigan University

Education:

Institution	Dates	Degree Earned
University of Maryland, College Park	May, 1994	Ph.D.
Brown University, Providence, RI	May, 1984	Sc.B.

Pertinent Employment:

Dates	Rank/Title
8/07-	Professor, Eastern Michigan University
1/13-5/14	Interim Director, School of Technology Studies, Eastern Michigan University
8/02-8/07	Associate Professor, Eastern Michigan University
8/99-8/02	Assistant Professor, Eastern Michigan University
9/93-8/99	Assistant Professor, Florida Atlantic University

Courses Taught - 1999-present:

COSC101 Computer Science Concepts
COSC179 Computer Animation with Alice
COSC138/111 Introduction to Programming
COSC231 Internet-Based Computing
COSC238/211 Programming Data Structures
COSC334/311 Algorithms and Data Structures
COSC433/423 Operating Systems
COSC456 Computer Graphics
COSC457/557 Computer Game Programming
COSC 481/581 Software Engineering
COSC556 Advanced Computer Graphics
COSC592/436 Web Programming
COSC532 Artificial Intelligence
COSC561 Heuristic Programming
COSC576 Tools for Bioinformatics
COSC479 Web Programming for Linguistics
COSC632 Automated Reasoning
COSC633/623 Advanced Operating Systems
COSC679 Evolutionary Programming
COSC681/631 E-Commerce & Web Database
Independent Studies: 9
Chaired Masters thesis committees: 23
Member of Masters thesis committees: 12

Service 1999-present:

University Faculty Senate (President), 2009-2013.
University Faculty Senate (Vice-President) 2006-2009.
University Faculty Senate 2005-2013, 2014-2017.
University Faculty Senate Executive Board, 2005-2013
Academic IT Adviory Committee 2014-present.
University Strategic Planning Committee, 2011-2015.

University Academic Affairs Facilities Committee 2007-2013
University Committee to Review E-Mail Service (co-chair), 2010-11.
University AQIP Planning Committee 2007-9
University E-Mail Selection Committee (co-chair) 2007-8
University Courseware Selection Committee (co-chair) 2008-9
University response team to AQIP Strategy Forum, Chicago, 2009
University Continuous Improvement Advisory Committee, 2009
University AQIP Systems Appraisal Task Force, 2009
University Security Advisory and Advocacy Council, 2009-2013
University eFellows Committee, 2015-16.
University Preferred Name Committee, 2016.
Search Committee for Police Chief, 2011-12.
Search Committee for Chief Information Officer, 2009.
Search Committee for Executive Director of Financial Planning and Budget, 2010.
Search Committee Associate Provost, 2010-11
Search Committee for Provost, 2010-11
Facultte Senate Digital Literacy Committee (chair) 2010-2013.
EMU Foundation Board, 2009-2013.
Library Advisory Council, 2009-2013.
Mark-Jefferson Planning Committee, 2007-9.
University IT Steering Committee, 2007-2013.
Faculty Senate IT Technology Committee, 2007-9
Cherry Commission Implementation Task Force, 2005
University Salary Market Inequity Committee, 2003-5
College Research and Sabbatical Leave Committee (Secretary), 2000-2002
College Advisory Council (Secretary of CAC and Science Subcomm.), 2000-2004
Bioinformatics Program Steering Committee 2004-8
Departmental Executive Committee 2004-7, 2009-11 (secretary), 2015-16 (Secretary)
Departmental ad hoc committee to create a Computer Game Design program
Departmental Grade Grievance Committee (chair) 2010-13
Departmental Strategic Planning Committee 2002-3
Departmental Laboratory Committee 1999-2003, 2007-9
Departmental Search Committee 2003-4, 2015 (Chair), 2016 (Chair)
Departmental General Education Liaison 2007
Departmental Curriculum Committee 2001-3, 2006-08, 2009-11
Departmental AAUP Steward 2005-2013
AAUP Bargaining Council 2005-6, 2009-10, 2011-12
Attended NCA Higher Learning Commission Annual Meeting, Chicago, 2007 and 2008 on behalf of the university's assessment process.

Professional Activity:

Program Chair, Special Session on Evolutionary Computation, FLAIRS-99, Orlando, FL, May 5-7, 1999.

Program Chair, Special Session on Evolutionary Computation, FLAIRS-98, Sanibel Island, May 17-20, 1998.

Program Committee, Genetic and Evolutionary Computation Conference (GECCO) '99, '00, '01, '02, '03, '04, '05, '06

Program Committee, Florida Artificial Intelligence Regional Symposium (FLAIRS) '00, '99, '98.

Reviewer for *IEEE Transactions on Systems, Man and Cybernetics*.

Awards and Support

Full year sabbatical, Eastern Michigan University, 2016-7.

Spring Faculty Fellowship, "Cyberlab". Eastern Michigan University, 2004.

Developing a Master's Level Bioinformatics Program Sloan Foundation, 2003-5. Principal Investigator: Henry Zot. $50,000.

"Discovering Software Process Measures Using Genetic Programming", National Science Foundation (grant #CCR-9970893), *6/1/99-5/31/02*. Principal Investigators: Matt Evett and Taghi Khoshgoftaar (Dept. Computer Science, Florida Atlantic Univ.) *$35,000, annually*.

"Collection of Oceanographic Information via Cooperative Autonomous Underwater Vehicles", Office of Naval Research, *1/1/97-12/31/01*. Principal Investigators: Samuel Smith, *et al*, Ocean Engineering Dept., Florida Atlantic Univ. *$60,000, annually*.

"Parallel Redesign of the ELM", South Florida Water Management District, State of Florida, *1/1/99-12/31/99*. Principal Investigator: Matthew Evett. *$35,000*.

"Full Parallelization of ELM in MPI", South Florida Water Management District, State of Florida, *5/1/97-4/30/98*. Principal Investigator: Matthew Evett. *$35,000*.

"Parallel/Distributed Processing for SFWMD Environmental Simulations", South Florida Water Management District, State of Florida, *1/1/96-12/31/96*. Principal Investigator: Matthew Evett. *$22,000*.

Research Initiation Award, Dept. Computer Science, Florida Atlantic University *5/11/95 - 8/17/95*. Principal Investigator: Matthew Evett. *$5,500*.

"Massively Parallel Knowledge Server", ARPA, *5/11/94 - 8/17/94*. Principal Investigator: Drs. James Hendler and Joel Saltz, University of Maryland, Dept. of Computer Science, College Park, MD 20742. *$5,000*.

Professional Publications, Presentations, Performances, Exhibitions:

Invited Papers and Presentations

Evett, M.P.,"Graphical Java Applets", MACUL 2006, March 8, 2006, Grand Rapids, MI.

Evett, M.P., "Using Java to Develop Experiments for an On-Line Biology Course". Presentation at MACUL 2003 (Michigan Association for Computers in Learning), Detroit, MI. March 14, 2003.

Evett, M.P. "High Performance Computing and Evolutionary Computation", Exposim 96, Univ. Monterrey, Laguna, Mexico, October 19, 1996.

Evett, M.P. "Computationally Effective Knowledge Representation via Massive Parallelism," TIMS/ORSA Joint National Meeting, Boston, MA, April 24-27, 1994.

Journal Articles

Evett, M. and Xu, Y., "Parallelization of the canal subsystem of the Everglades Landscape Model", submitted to *Ecological Modeling*, November, 1999.

Evett, M.P., Hendler, J.A., Mahanti, A. and Nau, D. "PRA*: Massively Parallel Heuristic Search," *Journal of Parallel and Distributed Computing*, 25, No.2 (March), 1995.

Evett, M.P., Hendler, J.A. and Spector, L. "Knowledge Representation on the Connection Machine," *Journal of Parallel and Distributed Computing*, 24, July 1994.

Kettler, B.P., Hendler, J.A., Andersen, W.A., and Evett, M.P. "Massively Parallel Support for a Case-based Planning System". *IEEE Expert*, February 1994, pp. 8-14.

Chapters in Books

Khoshgoftaar, T.M., Evett, M.P., Allen, E.B. and Chien, P., "An Application of Genetic Programming to Software Quality Prediction", *Computational Intelligence and Software Engineering*, Pedrycz, W. and Peters, J.F. (eds.), World Scientific, Singapore, 1998.

Evett, M.P., Andersen, A.A. and Hendler, J.A. "Massively Parallel Support for Efficient Knowledge Representation," *Parallel Processing for Artificial Intelligence*, L. Kanal, H. Kitano, V. Kumar and C. Suttner (eds.), Elsevier, Amsterdam, 1994.

Evett, M.P., Andersen, A.A. and Hendler, J.A. "Efficient Recognition Queries in PARKA," *Massively Parallel Artificial Intelligence*, H. Kitano and J. Hendler (eds.), M.I.T. Press, 1994

Refereed Proceedings of Conferences

Foreman, N and Evett, M., "Preventing Overfitting in GP with Canary Functions", *Proceedings of GECCO 2005*, (June 25-29, 2005, Washington, DC) ACM Press, 2005.

Evett, M, Khoshgoftar, T., Chien, P. and Allen, E., "Using genetic programming to determine software quality", *Proceedings of the 12th International FLAIRS conference*, Banzhaf, W., Daida, J., Eiben, A., Garzon, M., Honavar, V., Jakiela, M. and Smith, R.E. (editors), Morgan Kaufmann, 1999.

Evett, M, Khoshgoftar, T., Chien, P. and Allen, E., "Modelling software quality with GP", *Proceedings of the Genetic and Evolutionary Computation Conference*, Banzhaf, W., Daida, J., Eiben, A., Garzon, M., Honavar, V., Jakiela, M. and Smith, R.E. (editors), Morgan Kaufmann, 1999.

Yuan, X., Ganesan, K., Snowden, S., Smith S.S. and Evett, M., "Mission Command Macros for Autonomous Underwater Vehicles", *Proceedings of Oceans 1999*, MTS/IEEE, 1999.

Yuan, X., Ganesan, K., Evett, M. and Smith, S.S., "Providing real-time data trajectory access in autonomous underwater vehicles", *Proceedings of Oceans 1999*, MTS/IEEE, 1999.

Evett, M. and Fernandez, T., "Improving the Discovery of Numeric Constants in Genetic Programming", *Genetic Programming 1998: Proceedings of the Third Annual Conference*, Koza, J., Banzhaf, W., Chellapilla, K., Kalyanmoym, D., Dorigo, M., Fogel, D.B., Garzon, M.H., Goldberg, D.E., Iba, H. and Riolo, R. (editors), Morgan Kaufmann, 1998.

Evett, M, Khoshgoftar, T., Chien, P. and Allen, E., "GP-based software quality prediction", *Genetic Programming 1998: Proceedings of the Third Annual Conference*, Koza, J., Banzhaf, W., Chellapilla, K., Kalyanmoym, D., Dorigo, M., Fogel, D.B., Garzon, M.H., Goldberg, D.E., Iba, H. and Riolo, R. (editors), Morgan Kaufmann, 1998.

Evett, M. and Fernandez, T., "Numeric Mutation: Improved Search in Genetic Programming", *Proceedings of the 11th International FLAIRS conference*, AAAI Press, Menlo Park, CA, 1998.

Fernandez, T. and Evett, M., "Numeric mutation as an improvement to symbolic regression in genetic programming", *Proceedings of Evolutionary Programming 1998*, Morgan Kaufmann, 1998.

Fernandez, T. and Evett, M.P., "The Impact of Training Period Size on the Evolution of Financial Trading Systems," *Genetic Programming 1997, Proceedings of the Second Annual Conference*, MIT Press, 1997.

France, R.B., Evett, M.P. and Grant, E., "Towards Semantic-Based Object-Oriented CASE Tools", in *Proceedings Automated Software Engineering-- ASE'97, 12th IEEE International Conference*, IEEE Press, 1997.

Evett, M.P., Andersen, A.A. and Hendler, J.A., "Massively Parallel Support for Computationally Effective Recognition Queries," *Proceedings of the Eleventh National Conference on Artificial Intelligence (AAAI-93)*, AAAI Press, Menlo Park, CA, 1993.

Evett, M.P., Andersen, A.A. and Hendler, J.A., "Massively Parallel Support for Efficient Knowledge Representation," *Proceedings of the Thirteenth International Joint Conference on Artificial Intelligence (IJCAI-93)*, Morgan Kaufmann, Denver, 1993.

Kettler, B.P., Hendler, J.A., Andersen, W.A., and Evett, M.P. "Massively Parallel Support for a Case-based Planning System", in *Proceedings of the Ninth IEEE Conference on AI Applications*, (Orlando, FL; March 3-5), IEEE, 1993.

Mahanti, A., Daniels, C., Ghosh, S., Evett, M.P. and Pal, A. "Massively Parallel Search for Approximate Optimization Problems," *Proc. 6th Distributed Memory Computer Conference*, (Portland, OR; April 28 - May 1, 1991), IEEE, 1991.

Evett, M.P., Hendler, J.A., Mahanti, A. and Nau, D. "PRA*: A Massively Parallel Heuristic Search Algorithm," *Proc. The Third Symposium on the Frontiers of Massively Parallel Computing*, (College Park, MD; Oct. 8-10, 1990), IEEE Computer Society Press, Los Alamos, CA, 1990.

Evett, M.P. and Hendler, J.A., "PARKA: Frame-Based Property Inheritance on the Connection Machine," *Parallel Computing '89; Proceedings of the Conference*, (Leiden, The Netherlands, Aug. 29 - Sept. 1, 1989), Elsevier, Amsterdam, The Netherlands, 1989.

Evett, M.P., Spector, L. and Hendler, J.A., "Knowledge Representation on the Connection Machine," *Proceedings of Supercomputing '89*, (Reno, NV; Nov. 13-17, 1989), ACM, New York, NY, 1989.

Reports

Evett, M, Khoshgoftar, T., Chien, P. and Allen, E., "Addressing overfitting in genetic programming with canary functions", technical report TR-CSE-98-6, Dept. Computer Science & Engineering, Florida Atlantic Univ., 1998.

Fernandez, T. and Evett, M., "Numeric mutation as an improvement to symbolic regression in genetic programming", technical report TR-CSE-97-61, Dept. Computer Science & Engineering, Florida Atlantic Univ., 1997.

R. France, M. Evett and E. Grant, "Towards Semantic-Based Object-Oriented CASE Tools", technical report TR-CSE-97-49, Dept. Computer Science & Engineering, Florida Atlantic Univ., 1997.

Y. Xu and M. Evett, "Parallelization of the canal subsystem of the Everglades Landscape Model", technical report TR-CSE-97-42, Dept. Computer Science & Engineering, Florida Atlantic Univ., 1997.

T. Fernandez and M. Evett, "The Impact of Training Period Size on the Evolution of Financial Trading Systems", technical report TR-CSE-97-41, Dept. Computer Science & Engineering, Florida Atlantic University, 1997.

K. Stoffel, M. Evett and J. Hendler, "A polynomial-time inheritance algorithm based on inferential distance", technical report TR-CSE-97-40, Dept. Computer Science & Engineering, Florida Atlantic Univ., 1997.

M. Evett and T. Fernandez, "A distributed system for genetic programming that dynamically allocates processors", technical report TR-CSE-97-39, Dept. Computer Science and Engineering, Florida Atlantic University, 1997.

M. Evett, "Plan for Full parallelization of the Everglades landscape model in MPI", research project work plan, submitted to South Florida Water Management District, West Palm Beach, FL, 1997.

Evett, M.P., Stoffel, K. and Hendler, J.A. "Tractable Property Inheritance via Inferential Distance Ordering," Technical Report TR-14, Department of Computer Science and Engineering, Florida Atlantic Univ., February, 1996.

Evett, M.P. and Hendler, J.A., "Degradation of Interprocessor Communication Operations on the Connection Machine," Technical Report TR-15, Department of Computer Science and Engineering, Florida Atlantic Univ., January, 1996.

Evett, M.P. "PARKA: A System for Massively Parallel Knowledge Representation," Technical Report, CS-TR-3313 and UMIACS TR-94-83, Department of Computer Science, Univ. Maryland, College Park, July, 1994.

Evett, M.P. and Hendler, J.A., "An Update of PARKA, a Massively Parallel Knowledge Representation System," Technical Report, Department of Computer Science, Univ. Maryland, College Park, February, 1992.

Spector, L., Andersen, W., Hendler, J.A., Kettler, B., Schwartzman, E., Woods, C. and Evett, M.P., "Knowledge Representation in PARKA -- Part 2: Experiments, Analysis, and Enhancements," CS-TR-2837, UMIACS-TR-92-16, Department of Computer Science, Univ. Maryland, January 1992.

Evett, M.P., Hendler, J.A., Mahanti, A. and Nau, D., "PRA*: Massively Parallel Heuristic Search," Technical Report 91-107, Department of Computer Science, Univ. Maryland, College Park, Dec., 1991.

Evett, M.P., Hendler, J.A., and Spector, L., "Parallel Knowledge Representation on the Connection Machine," Technical Report 2409, Department of Computer Science, Univ. Maryland, College Park, Feb., 1990.

Spector, L., Hendler, J.A. and Evett, M.P., "Knowledge Representation in PARKA," Technical Report 2410, Department of Computer Science, Univ. Maryland, College Park, Feb., 1990.

Evett, M.P., Hendler, J.A. and Pollack, J., "Backprop: A Tool for Learning About Connectionist Architectures," SRC TR88-43, Systems Research Center, Univ. Maryland, College Park, March, 1988.

Evett, M.P., "The Development of *Intertext*: A Word Processor within the *Intermedia* System", IRIS TR86-24, IRIS, Brown Univ., Providence, RI, Dec., 1986.

Evett, M.P., "Apple's *Macintosh Toolbox* and CMU's *Andrew*: A Comparison of Operating Environments", IRIS TR85-18, IRIS, Brown Univ., Providence, RI, Feb., 1985.

Competitive Seminars and Workshops

Evett,M.P. and T.Fernandez. "A distributed system for genetic programming that dynamically allocates processors," *Proceedings of the AAAI-97 Workshop on Bounded Resource Reasoning Systems*, AAAI Press, 1997.

AI Applications in Knowledge Navigation and Retrieval, AAAI-95 Fall Symposium.

Evett, M.P., Stoffel, K. "Parallel Implementation of Inferential Distance Ordering," Workshop on Parallel Artificial Intelligence, IJCAI 1995.

Evett, M.P., Andersen, A.A. and Hendler, J.A. "Massively Parallel Support for Efficient Knowledge Representation," AAAI Spring Symposium on Innovative Applications of Massive Parallelism, Stanford, CA, 1993.

Evett ,M.P. and Hendler, J.A. "Achieving Computationally Effective Knowledge Representation via Massively Parallel Lisp Implementation," Proc. High Performance and Parallel Computing in Lisp, (Twickenham, London, UK; Nov. 12-13, 1990), EUROPAL, Dorking, UK, 1990.

Evett, M.P. and Hendler, J.A. "Massively parallel SIMD algorithms for property inheritance," Proc. AAAI Workshop on Parallel Algorithms for Machine Intelligence, IJCAI-89, (Vipin Kumar and Laveen Kanal, co-chairs), Aug., 1989.

Connection Machine Summer Institute, Northeastern Parallel Architectures Center, Syracuse Univ., July, 1989.