COLLEEN E VAN LENT

collemc@umich.edu

EDUCATION:

PhD   Computer Science, University of Pittsburgh, Pittsburgh, PA.   2002
      Thesis Title: *A Plan-Based Personal Cognitive Orthotic System*
      Advisor: Martha Pollack

MS   Computer Science, University of Pittsburgh, Pittsburgh, PA.   1999
      Masters project title: *Rationale-Based Monitoring: Application to Causal-Link Planning and Implementation in the Robotics Field*

BS   Computer Science, Kent State University Honors College, Kent OH 1996
      Thesis title: *Artificial Neural Networks: An Overview*

HONORS AND AWARDS:

2015	Lecturers' Professional Development Fund Award
2015	UMSI Award For Excellence in Education
2006	College of Engineering Outstanding Faculty Designate
2004	NASA Summer Faculty Fellow
1996-2002	National Physical Science Consortium Fellow

AREAS OF SPECIALIZATION:

Web Design (emphasis on Accessibility), Artificial Intelligence, Entertainment in Games, Plan Management, Reminder Systems, Robotics in Education, Execution Monitoring.

WORK EXPERIENCE

2015 -	Lecturer IV	University of Michigan School of Information
2012 -15	Lecturer III	University of Michigan School of Information
2008–12	Lecturer	University of Michigan School of Information
2006-08	Associate Professor	California State University Long Beach
2003–06	Assistant Professor	California State University Long Beach
2004	Faculty Fellow	NASA Jet Propulsion Laboratory
1999	Contractor	Naval Research Lab, Washington, DC
1997	Research Scientist	National Security Agency
1996	Research Scientist	National Security Agency, Fort Meade MD

COURSES MOST FREQUENTLY TAUGHT

University of Michigan School of Information

SI 339	Complex Web Design
SI 539	Complex Web Design
SI 206	Data-Oriented Programming

OTHER COURSES

University of Michigan School of Information
SI 364   Database Design
SI 664   Database Design
SI 543   Programming I

RESEARCH EXPERIENCE

Recent Research Collaborations:

Summer   **NASA Summer Faculty Fellow**
2004   NASA Jet Propulsion Laboratory, Pasadena, CA
                 Development of software for the capture of Deep Space Network
                 scheduling requirements

Feb-Oct   **Researcher,**
2003   California State University Foundation, Long Beach, CA
                 Development of algorithm to detect suspect container ships in
                 international cargo. Project Title: Seaport Inspection Process and
                 Technology Model: Inspection Technology, DOD/Space and Naval
                 Warfare Systems Center.

Selected Prior Research Collaborations:

2001/2002   University of Michigan AI Lab, Ann Arbor, MI
1999   Naval Research Lab, Washington, DC
1996/1997   National Security Agency, Fort Meade, MD

PROFESSIONAL AFFILIATIONS

American Association of Artificial Intelligence (1997-Present)
American Society for Engineering Education (2006 – Present)
Association of Computer Machinery (2004- Present)
Society of Women Engineers (2003-Present)

PUBLICATIONS (*Some work published under maiden name of McCarthy)

BOOKS FOR CHILDREN

van Lent, C. and van Lent C. 2018. *Making a Web Page*. Ann Arbor, MI:
Cherry Lake Publishing.

van Lent, C. 2015. *More Web Design With HTML5*. Ann Arbor, MI: Cherry
Lake Publishing.

van Lent, C. 2014. *Web Design With HTML5 (Makers as Innovators)*. Ann
Arbor, MI: Cherry Lake Publishing.

CONFERENCES, JOURNALS, AND BOOK CHAPTERS

C. van Lent, A. Argueta, R Casella, and N. Jahns, "Robots in Education: Student Perspectives from the Classroom and from the Field", To appear in, the 2007 *AAAI Spring Symposium on Robots and Robot Venues: Resources for AI Education*, Stanford, CA, 2007.

C. van Lent, "Supplementing Robotic Assistants with the Ability to Remind Forgetful Users", *National Conference on Education Robotics*, San Jose, CA, 2004.

C. E. van Lent, "Using Robot Platforms to Enhance Concept Learning in Introductory Computer Science Courses", *Proceedings of the American Association of AI Spring Symposium*, Stanford, CA, 2004.

M. E. Pollack, L. Brown, D. Colbry, C. E. McCarthy, C. Orosz, B. Peintner, S. Ramakrishnan, and I. Tsamardinos, "Autominder: An Intelligent Cognitive Orthotic System for People with Memory Impairment," *Robotics and Autonomous Systems,* 44(3-4):273-282, 2003.

C.E. McCarthy and M. E. Pollack, "A Plan-Based Personal Cognitive Orthotic for the Elderly," *6th International Conference on AI Planning & Scheduling (AIPS-02)*, April 2002.

M. E. Pollack, C.E. McCarthy, Ioannis Tsamardinos, and Sailesh Ramakrishnan, "Execution-Time Plan Management," Plan-based Control of Robotic Agents, Michael Beetz, editor Spring 2002.

M. E. Pollack, C.E. McCarthy, Ioannis Tsamardinos, Sailesh Ramakrishnan, Laura Brown, Steve Carrion, Dirk Colbry, Cheryl Orosz, and Bart Peintner, "Autominder: A Planning, Monitoring, and Reminding Assistive Agent*,"* *Proceedings of the 7th International Conference on Intelligent Autonomous Systems (IAS-7),* 2002.

C. E. McCarthy and M. E. Pollack, "Towards Focused Plan Monitoring: A Technique and an Application to Mobile Robots," Autonomous Robots, 9:71-81, August 2000.

M. E. Pollack and C. E. McCarthy, "Towards Focused Plan Monitoring: A Technique and an Application to Mobile Robots," *International Symposium on Computational Intelligence in Robotics and Automation (CIRA),* November 1999.

PRESENTATIONS

Panelist:
- March 2017   Boulder, CO

Coursera Partners Conference. Invited Panelist for Instructor and Course Teams Track – Coursera 101: Tools and Pedagogy for Creating High-Quality Content.

Invited Speaker:
- October 2017   University of Michigan

Keynote speaker at the Michigan Chapter of the National Society of Collegiate Scholars (NSCS) Induction ceremony.

Guest Lectures:
- June 2017   University of Michigan

ICOS Big Data Summer Camp. Guest lecturer in Python at event designed to make big data accessible for people with no prior background.

- June 2016   University of Michigan

ICOS Big Data Summer Camp. Guest lecturer in Python at event designed to make big data accessible for people with no prior background.

- May 2015   University of Michigan

ICOS Big Data Summer Camp. Guest lecturer in Python at event designed to make big data accessible for people with no prior background.

- May 2014   University of Michigan

ICOS Big Data Summer Camp. Guest lecturer in Python at event designed to make big data accessible for people with no prior background.

- May 2013   University of Michigan

ICOS Big Data Summer Camp. Guest lecturer in Python at event designed to make big data accessible for people with no prior background.

PROFESSIONAL ACTIVITIES

July 2008   Chicago, IL
Chair, American Association of Artificial Intelligence Doctoral Consortium

July 2007   Victoria, British Columbia
Co-chair, American Association of Artificial Intelligence Doctoral Consortium

Jun   2004 Villanova University
Learning Outside the (Desktop) Box, NSF Workshop

SERVICE

Department Level:

Undergraduate Curriculum Committee   2013 - Present

University Level:

Being a Faculty Member in the 21st Century Committee   2014
First Generation Student Group   2015-Present
CRLT Faculty Advisory Board   2016 - Present

Other:

NSF Review Panel   2014
NSF Review Panel   2013
Women in Tech Panel (CISCO event at UM)   9/20/2013

Community:

Programming Coach, Wines Elementary School   2015-Present
  Parent coach for the WESO iCompute Programming team

Volunteer, Forsythe Middle School Science Fair   2017

Web Developer, Forsythe Middle School Science Fair   2011- 2016
  Assist the Science Fair coordinator with web design needs

Volunteer, Kent State Rural Scholars Program   March 4, 2016
  The Rural Scholars program offers first-generation college-bound students
  opportunities to prepare for and learn more about college expectations and
  experiences. I traveled to Salem Ohio and led a workshop on Web
  Development to a group of high school students.

Volunteer Teaching Assistant, Girls Develop It Ann Arbor   Sept 14th, 2015
  I served as a TA for the Introduction to JavaScript workshop offered by
  GDI Ann Arbor.

Parent Volunteer, Classroom Extra Specials Wines Elem.   Jan 2014
    Spend one day a week teaching students Scratch   Jan 2015
    Programming during their lunchtime recess.
    (7 week session each year)

Parent Volunteer, FIRST Robotics   Sept – Nov 20014
    Assisted six 4th graders in a newly formed FIRST Robotics team

Web Design, Lawton Middle School   2012-2014
    Oversaw a UMSI student who helped Lawton Middle School
    with a revamp of their website.