

Radu Paul Mihail — Curriculum Vitae

CONTACT INFORMATION	2119 Nevins Hall Department of Mathematics and Computer Science Valdosta State University Valdosta, GA 31698 USA	<i>Voice:</i> (859) 358-1366 <i>Fax:</i> (229) 219-1257 <i>E-mail:</i> rpmihail@valdosta.edu <i>WWW:</i> ww2.valdosta.edu/ rpmihail/
RESEARCH INTERESTS	Computer Vision, Medical Imaging, Medical Decision Making, Artificial Intelligence	
EDUCATION	University of Kentucky , Lexington, Kentucky USA Ph.D. Computer Science <ul style="list-style-type: none">• Dissertation Topic: “Visualizing and Predicting Effects of Rheumatoid Arthritis”• Advisors: Dr. Judy Goldsmith and Dr. Nathan Jacobs Eastern Kentucky University , Richmond, Kentucky USA B.S., Computer Science, <i>Cum Laude, Honors Program</i> December, 2009 Minors: Mathematics, Statistics	
HONORS AND AWARDS	Provost Award for Outstanding Teaching Assistant, 2013 SACM Award for Outstanding Teaching Assistant, 2013 Halcomb Fellowship in Medicine and Engineering, 2011 Outstanding Co-op, Ashland Inc., 2008 President’s List, Eastern Kentucky University, several semesters starting May 2007 Presidential Scholarship, Eastern Kentucky University, January 2006 First prize in a national programming contest, Focsani, Romania, January 2003	
ACADEMIC EXPERIENCE	Valdosta State University <i>Assistant Professor</i>	Aug 2015 - present
	University of Kentucky , Lexington, Kentucky USA <i>Graduate Student</i>	January 2010 - May 2014 Includes Ph.D. research, Ph.D. and Masters level coursework and research projects.
	Halcomb Fellow	January 2011 - January, 2013 Conducted interdisciplinary research with a team from the College of Engineering, College of Education and College of Medicine. We investigated a novel game based decision aid for rheumatoid arthritis patients contemplating a choice of treatment.
	Teaching Assistant	January 2010 - December, 2010 August 2011 - December 2011 Summer 2012 - May 2013 Taught introductory programming (C++ and Python) lab for both Computer Science majors and non-majors. I have also taught a full responsibility introductory programming using Python and a software engineering course. I developed a course titled “XNA Game Programming” that I taught in the Spring of 2013.

Research Assistant

May 2013 - Present

Worked in Dr. Nathan Jacobs' computer vision lab. Projects I am currently involved in: hand radiograph analysis, camera calibration from natural optical phenomena, shape from specular reflections, synchrony of heart cells from high speed imaging.

Learning Facilitator

August 2005 - May 2006

Assisted students with developing study skills, time and stress management. Tutored mathematics (from college algebra to calculus II) and English writing.

Learning Facilitator

August 2004 - May 2005

Assisted students with programming courses in a computer laboratory.

REFEREED
CONFERENCE
PUBLICATIONS

Judy Goldsmith, R. Paul Mihail "Kinesthetic Touches For a Theory of Computing Class", The 12th International Conference on Frontiers in Education: Computer Science and Computer Engineering (FECS), 2016.

R. Paul Mihail, Krishnendu Roy. "Closed Labs in Programming Courses: A Review", The 12th International Conference on Frontiers in Education: Computer Science and Computer Engineering (FECS), 2016.

R. Paul Mihail, Scott Workman, Zachary Bessinger, Nathan Jacobs. "Sky Segmentation in the Wild: an Empirical Study", Winter Conference on Applications of Computer Vision (WACV), 2016.

Scott Workman, R. Paul Mihail, Nathan Jacobs. "A Pot of Gold: Rainbows as a Calibration Cue?", European Conference on Computer Vision (ECCV), 2014.

R. Paul Mihail, Gustav Blomquist, Nathan Jacobs. "A CRF Approach to Fitting a Generalized Hand Skeleton Model", Winter Conference on Applications of Computer Vision (WACV), 2014.

R. Paul Mihail, Beth Rubin, Judy Goldsmith. "Online Discussions: Improving Education in CS?", Proceedings of the 44th ACM technical symposium on Computer science education (SIGCSE), 2014.

R. Paul Mihail, Judy Goldsmith, Nathan Jacobs, Jerzy Jaromczyk, "Teaching Graphics for Games using Microsoft XNA", In International Conference on Computer Games (CGAMES), 2013.

Kaitlin Burton, Frederick Hallock, R. Paul Mihail, "A Data-Driven Approach to Visualize the Effects of Rheumatoid Arthritis on Hands", In International Conference on Computer Games (CGAMES), 2013.

R. Paul Mihail, Nathan Jacobs, Judy Goldsmith. "Real Time Gesture Recognition With 2 Kinect Sensors", 16th International Conference on Image Processing, Computer Vision, & Pattern Recognition (IPCV), 2012.

BOOK CHAPTERS

R. Paul Mihail, Nathan Jacobs, Judy Goldsmith, Kristine Lohr. "Using Visual Analytics to Inform Rheumatoid Arthritis Patient Choices", In Serious Games Analytics: Methodologies for Performance Measurement, Assessment, and Improvement. Christian Sebastian Loh, Yanyan Sheng, Dirk Ifenthaler (editors), Springer 2015.

PAPERS SUBMITTED
FOR REVIEW

R Paul Mihail, Zachary Bessinger, John C Penn, Erhe Gao, Catherine K Kaminiski, Ayman R Haroun, Nathan Jacobs, Douglas A Andres, Jonathan Satin, PhD. "Rad loss promotes calcium synchrony in pressure overload hypertrophy and confers cardioprotection"

PROFESSIONAL
ACTIVITIES

Program Committee Member - International Joint Conferences on Artificial Intelligence 2016
Reviewer - Georgia Office of Student Achievement 2016
Panelist - NSF 2016
Reviewer - IEEE Transactions on Multimedia 2014
Reviewer - International Conference on Computer Games 2013
Reviewer - International Joint Conferences on Artificial Intelligence 2012, 2013
University of Kentucky, Lexington, Kentucky USA
Assistant Organizer **Summer 2010**
Dr. Judy Goldsmith's assistant organizer for the NSF CISE Broader Impacts in Research and Discovery Summit

Claraview, a Division of Teradata, Reston, Virginia USA
Consultant **August, 2009 - December, 2009**
Lead database administrator for the Kentucky Statewide Longitudinal Data System (KSLDS).

Ashland Inc., Lexington, Kentucky, USA
DBA intern **Alternate semesters starting August 2006 to May 2009**
Database administrator for corporate data center.

Eastern Kentucky University, Richmond, Kentucky, USA
Web developer **August 2005 - March 2006**
Created web applications for the sales and purchasing department.

PRESENTATIONS

“Closed Labs in Programming Courses: A Review”
Presented at the 12th International Conference on Frontiers in Education: Computer Science and Computer Engineering (FECS), Las Vegas, NV **July 2016**

“Kinesthetic Touches For a Theory of Computing Class”
Presented at the 12th International Conference on Frontiers in Education: Computer Science and Computer Engineering (FECS), Las Vegas, NV **July 2016**

“Sky Segmentation in the Wild: an Empirical Study”
Presented at WACV 2016, 2016, Lake Placid, NY **March 2016**

“A Pot of Gold: Rainbows as a Calibration Cue?”
Presented at Valdosta State University Science Seminar, 2014, Valdosta, GA **February 2015**

“A CRF Approach to Fitting a Generalized Hand Skeleton Model”
Presented at WACV 2014, Steamboat Springs, CO **March 2014**

“Teaching Graphics for Games using Microsoft XNA”
Presented at CGames 2013, Louisville, KY **July 2013**

“Static Hand Gesture Recognition with 2 Kinect Sensors”
Presented at Worldcomp 2012, Las Vegas, NV **July 2012**

“Decision making among patients with lower literacy and numeracy”
Presented at the AI seminar at University of Kentucky **June 2010**

“Machine Learning and Artificial Intelligence: An Overview”
Presented at the Kentucky Honors Roundtable in February 2009 at Murray State University
September 2009

PROJECTS	Interactive whiteboard using a laser pointer and an inexpensive webcam	2010
	Database monitoring tools using various regression and prediction models	2009
	3D surface reconstruction of fovea from high resolution images	2008
	Facial detection and recognition using ADA-Boost and Eigenfaces	2007
SERVICE	Faculty member in the Policies and Procedures Committee at Valdosta State University	2015-Present
	Faculty member in the Academic Honors and Scholarship Committee at Valdosta State University	2015-Present
	Faculty member in the Computer Science Library Committee at Valdosta State University	2015-Present
	Faculty member in the Computer Science Program Search Committee for the Mathematics and Science Department at Valdosta State University	2015
	Faculty Member in the Computer Science Program Committee for the Mathematics and Science Department at Valdosta State University	2014-present
	Student Member in the Higher Degrees Committee for the Computer Science Department	2013
	Student Member in the External Review Committee for the Computer Science Department	2012
	University of Kentucky Graduate School Microteaching Leader	August 2011
Student Member in the Search Committee for the Dean of the CoE	November 2011	
CERTIFICATIONS	CompTIA Network+ Certification	2004
VOLUNTEER WORK	Ronald McDonald charity house, Lexington, Kentucky, USA	2005
MEMBERSHIPS	Association for Computing Machinery Upsilon Pi Epsilon	