

Education

- Ed. D. **Higher Education Administration.** Northeastern University. Boston, MA (2013-2016)
 - M.S. **Industrial Engineering.** University of Wisconsin – Madison. Madison, WI (2002-2005)
 - M.S. **Computer Science.** University of Wisconsin – Madison. Madison, WI (2000-2002)
 - B.A. **Computer Science and Mathematics.** Southwestern University. Georgetown, TX (1996-2000)
- Certification for Secondary Education in Mathematics and Computer Science, TX (2000-2015)

Teaching Experience

- **Department Consultant and Adjunct Instructor** – Division of Business and Information Technology – IT Essentials I & II (CompTIA A+), Assembly Language Programming, Systems Database Administration, Linux Administration (CompTIA Linux+) – Pulaski Technical College, North Little Rock, AR
Sp 2017, Fall 2016
Supervisor:
Mike McMillan,
Rebecca Sterling
- **Department Consultant and Adjunct Instructor** – Division of Business and Technical Education – Computer Information Technology- Online Classes- South Arkansas Community College, El Dorado, AR
Fall 2015, Fall 2014
Supervisor:
Jim Roomsberg
- **Online Tutor** – Tutor.com
Mathematics
New York, NY
Fall 2014
Supervisor:
Ruthann Wheeler
- **Assistant Professor** – Division of Technology, Engineering and Mathematics – Mobile Applications, A+ Hardware- Online Classes
Bossier Parish Community College, Bossier City, LA
Fall 2012
Supervisor:
Dr. Stan Wilkins
- **Instructor** – Division of Business and Computer Science – MS Office, Programming Logic, Internet Technology
Bossier Parish Community College, Bossier City, LA
2007-2008
Supervisor:
Kimberly Harvel
- **Adjunct Instructor** – Statistics for Sociology, Psychology and Political Science
Centenary College of Louisiana, Shreveport, LA
Fall 2007
Supervisor:
Dr. Loren Demerath
- **Full-Time Instructor** – College Algebra, Principles of Geometry, Algebra Concepts, Introduction to College Mathematics
Madison Area Technical College, Madison, WI
Spring 2007
Supervisor:
Dr. Tom Pulaski
- **Adjunct Instructor** – College Algebra, Algebra Concepts, Introduction to College Mathematics
Madison Area Technical College, Madison, WI
2005-2007
Supervisor:
Dr. Tom Pulaski
- **Instructor** – Data Structures, Numerical Methods, Machine Programming
University of Wisconsin – Madison
2005-2006
Supervisor:

Madison, WI

- **Teaching Assistant** – Introduction to Programming
University of Wisconsin - Madison
Madison, WI

Bob Holloway

2000-2003

Supervisor:

Jim Skrentny

Consulting Experience

- **CIS Program Review**– Division of Business and Information Technology– Computer Information Systems
Pulaski Technical College, Little Rock, AR
- **Curriculum Consultant**– Division of Business and Technical Education– Computer Information Technology
South Arkansas Community College, El Dorado, AR
- **CIT Program Review**– Division of Business and Technical Education – Computer Information Technology
South Arkansas Community College, El Dorado, AR

Spring 2016

Supervisor:

Michael McMillan

Spring 2016

Supervisor:

Jim Roomsberg

Fall 2014

Supervisor:

Jim Roomsberg

Administrative Experience

- **Dean of Technology, Engineering and Mathematics**
Bossier Parish Community College, Bossier City, LA
 - Earned ATMAE accreditation for 3 associate degree programs
 - Earned six Committee on National Security Systems certifications
 - Earned the Center of Academic Excellence for two-year colleges
- **Dean of Cyber Information Technology**
Bossier Parish Community College, Bossier City, LA
 - Earned ATMAE accreditation for 5 associate degree programs
 - Obtained 14 articulation agreements for degree programs

2011-2014

Supervisor:

Dr. Stan Wilkins

2008-2011

Supervisor:

Dr. Stan Wilkins

Grants Obtained and Overseen

- \$22 million from Bentler Steel and Louisiana Fast Start for a new engineering technology building at BPCC 2012-2014
- \$3.5 million for Department of Labor TAACCCT grant round 3 2013-2016
- \$14.7 million for TAACCCT grant round 2 – Lead Institution 2012-2016
- \$151,850 from internal grant funding 2013
- \$170,495 from Louisiana Board of Regents Grants 2012-2013
- \$197,756 from Louisiana Workforce Rapid Response 2012

- \$300,000 Community Foundation Grant for Energy 2012–2014
- \$350,000 private donations to support scholarships and the new engineering technology building 2012
- \$300,000 Cyber Security Education Consortium 2008–2014
- \$14,461 from Carl Perkins 2013

Publications/Presentations

- Doctoral thesis defense: “Leadership Approaches for Effective Technological Change in Community College” March 22, 2016
- Keynote presentation “Creating and Maintaining a Relevant and Innovative Curriculum in the 21st Century” for Consortium for Computing Sciences in Colleges (CCSC) Conference April 19, 2013
- Effective collation of campus-wide learning outcomes using Google Documents: a tutorial given at the Southern Association of Colleges and Schools Annual Conference (<http://laura.goadrich.com/sacs/>) December 3–6, 2011
- Problem solving with flow charts and a little flavor of programming with python. Agarwal, A., Agarwal, K., Goadrich, L., Goadrich, M. Textbook for introductory computer science courses. 2008
- A multiplan treatment-planning framework: a paradigm shift for intensity-modulated radiotherapy. Meyer, Zhang, Goadrich, Nazareth, Shi, D’Souza. International Journal of Radiation Oncology Biology and Physics. 68 (2007) 1178–89 2007
- A difference-matrix metaheuristic for intensity map segmentation in step-and-shoot IMRT delivery. Gunawardena, D’Souza, Goadrich, Meyer, Sorensen, Naqvi, and Shi. Physics in Medicine and Biology. 51 (2006) 2517–36. 2006

Professional Development

- The AACC John E. Roueche Future Leaders Institute Fall 2013
- Harvard Summer Institute for Management and Leadership in Education Summer 2012
- Leadership Development Institute of Louisiana Community and Technical College System 2009–2010
- CompTIA A+ Certification 2010
- National Institute for Staff and Organizational Development (NISOD) Excellence Award Recipient 2010
- Certiport Internet and Computing Core Certification (IC3) 2010

- Cyber Security Education Consortium (CSEC) Coursework 2008–2009
- UW-Madison Computer Science Department Best TA award 2001

Affiliations/Memberships

- Mathematical Association of America 2014–2016
- ACM Special Interest Group in Computer Science Education (SIGCSE) 2008–2016
- Association of Technology, Management and Applied Engineering (ATMAE) 2010–2014
- Armed Forces Communications and Electronics Association (AFCEA) 2009–2014

Conferences Attended

- HiTech Conference, July 21–25, 2014, Chicago, IL
- Special Interest Group for Computer Science Education (SIGCSE), March 3–8, 2014, Atlanta, GA
- Board of Regents Mathematics Course Alignment Meeting, October 9, 2013, Baton Rouge, LA
- American Association of Community Colleges John E. Roueche Future Leaders Institute, September 15–19, 2013 Dallas, TX
- Trade Adjustment Assistance Community College and Careers Training (TAACCCT) conference, April 29–May 1, 2013, Seattle, WA
- Consortium for Computing Sciences in Colleges (CCSC) Conference, April 19, 2013
- Louisiana Community and Technical Colleges System (LCTCS) conference, March 13–15, 2013, Baton Rouge, LA
- Special Interest Group for Computer Science Education (SIGCSE) conference, March 6–9, 2013, Denver, CO
- Center for Academic Excellence Knowledge Units (CAE KU) development, March 5, 2013, Denver, CO
- Southern Association of Colleges and Schools (SACS) conference, December 8–11, 2012, Dallas, TX
- Association of Technology, Management and Applied Engineering (ATAME) conference, November 14–16, 2012, Nashville, TN
- Fundamentals of Conceptual Understanding & Success (FOCUS) conference, October 10–12, 2012 San Marcos, TX
- Partnership for Assessment of Readiness for Colleges and Careers (PARCC) conference, August 9–10, 2012, White Castle, LA
- Cyber Innovation Center Cyber Systems Survivability and Sustainment in Contested Environments Workshop, July 19, 2012, Bossier City, LA
- Institute for Management and Leadership in Education, June 17–29, 2012, Harvard, MA
- Louisiana Community and Technical Colleges System (LCTCS) Conference, March 7–9 2012, Shreveport, LA
- SIGCSE, February 29– March 3, 2012, Raleigh, NC

- SACS Annual Meeting, December 3-6, 2011, Orlando, FL
- Board of Regents Mathematics meeting, November 21, 2011, Baton Rouge, LA
- ATMAE Conference, November 8-12, 2011, Cleveland, OH
- Advanced Technological Education Principle Investigators (ATE PI) Conference, September 13, 2011, Washington, D.C.
- American Council for Construction Education Conference, July 20-22, 2011, Minneapolis, MN
- Cyber Security Education Consortium Retreat, July 9-10, 2011, Oklahoma City, OK
- The Colloquium for Information Security Education (CISSE) Conference, June 13-15, 2011, Fairborn, OH
- SIGCSE, March 9-12, 2011, Dallas Texas
- LCTCS 2011 Annual Conference, March 23-25, 2011, Baton Rouge, LA
- Air Force Global Strike Command Technology and Innovation Symposium, November 16-17, 2010, Shreveport, LA
- CSEC Instructor Training Control Systems Security, September 27- October 1, 2010, Baltimore, MD
- ATMAE Conference, October 27-30, 2010, Panama City Beach, FL
- National Science Foundation, July 19-20, 2010, Washington, D.C.
- Collin College, Texas 2010 Working Connections IT Faculty Development Institute, July 16, 2010, Collin College, TX
- The Colloquium 2010, June 7-9, 2010, Baltimore, MD
- National Institute for Staff and Organizational Development (NISOD) Conference, May 30-June 2, 2010, Austin, TX

Software Knowledge

- Mathematical Software: Mathematica, MATLAB, Excel
- Programming Languages: Java, C++, Python, Perl, AMPL, GAMS, Machine Language, C, SQL, SPSS, HTML, LaTeX
- Operating Systems: Unix, Linux, Windows, Mac OS
- Microsoft Office Suite: Word, Excel, Access, PowerPoint, Outlook
- Learning Management Software: Blackboard, Canvas
- Course Management Software: TestOut, MyMathLab, Simtronics, MindTap, SimNET