Dr. Juyun (Joey) Cho

Associate professor of
Dept. of Computer Information Systems
Hasan School of Business
Colorado State University – Pueblo
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EDUCATION

- **Ph.D. Management Information Systems**, Utah State University
- **Master of Computer Science**, Utah State University
- **Bachelor of Computer Science**, Utah State University
- **Master of Compute**r **Engineering**, Chungbuk National University, Korea
- **Bachelor of Computer Engineering**, Chungbuk National University, Korea

TEACHING EXPERIENCES

Colorado State University - Pueblo, Colorado, USA, 2008-present

- **BUSAD 265** Business Statistics, summer 2008-2017(10 semesters)
- **CIS 105** MS Access Database Management, fall 2015
- **CIS 171** Introduction to Java Programming, fall 2008-2017, spring 2011-2017 (16 semesters)
- **CIS 240** Object Oriented Analysis and Design, spring 2008-2010, fall 2009 (4 semesters)
- **CIS 271** Advanced Program Design with Java, fall 2008-2015, 2017, spring 2011-2017 (15 semesters)
- **CIS 311** Introduction to Web Development, fall 2008
- **CIS 356 iOS Application Development with Swift using Apple's Xcode**, summer 2011-2015, fall 2016 (6 semesters)
  (Developed in 2010 and offered initially as a special topic)
- **CIS 4/561 (graduate)** IT Security Management, spring 2008
- **CIS 491 Android Application Development using Google Studio**, spring 2015, summer 2016-2017 (3 semesters)
  (Developed in 2015 and offered as a special topic; will be taught as regular course in fall, 2017)
- **MGMT 365** Management Information Systems, spring 2017, Online 2008-2017 (11 semesters)
- **MGMT 565** (MBA course) Management Information Systems, spring 2009-2014, online spring 2017 (7 semesters)

Chungnam National University, Korea (During my sabbatical)

- **Management Information System** (MBA course), Invited in Spring 2016

Seo Kyeong University, Seoul, Korea

- **iPhone Application Development** (76 hours), Invited in summer 2011

Mokwon University, Korea
- **iPhone Application Development** (60 hours), Invited in summer 2010

Utah State University, Logan, Utah
- **BIS 2100** Principles of Management Information Systems, fall 2006 & fall 2007 (2 sections)
- **BIS 3510** Business Programming using Visual Basic (Satellite distance education), spring 2007
- **BIS 5450/6450** (Master/Ph.D. course) Designing Graphical User Interfaces for E-Commerce, spring 2007
- **BIS 5450/6450** (**Master/Ph.D. course**) Designing Graphical User Interfaces for E-Commerce, fall 2006 (*Real-life project for RCF Inc., Utah*)
- **BIS 6500** (**Ph.D. course**) Developing Business Information Systems with Advanced Software Concepts (Satellite distance education), summer 2006
- **BIS 3500/6500** (**Master/Ph.D. course**) Management Information Systems Development using Visual Basic, fall 2005

REFEREED JOURNAL ARTICLES
- Hong, S., **Cho, J.,** & Hwang, Y. (2016). Prediction and recommendations on the IT learners' learning path as a collective intelligence using a data mining technique. *Journal of International Technology and Information Management, 25*(3), 99-132.

- **Cho, J.** & Couraud, J. (2013). IS curriculum recommendations for web courses in higher education. *The Journal of Learning in Higher Education, 9*(1), 105-116. (**Cited by 2 papers**)

- **Cho, J.,** & LoCasio, B. (2013). An analysis of social media use in America's fortune 500 companies. *International Journal of the Academic Business World, 7*(1), 67-76. (**Cited by 2 papers**)

- **Cho, J.,** Huff, R., & Olsen, D. (2011). Management guidelines for Scrum agile software development. *Issues in Information Systems, XII*(1), 213-223. (**Cited by 10 papers**)

- **Cho, J.,** Velazquez, T., Kraus, B., & Aphipanya, K. (2010). Analysis of airport security based on the five components of information systems. *Issues in Information Systems, XI*(1), 174-183.

- **Cho, J.** (2009). A hybrid software development method for large-scale projects: Rational unified process with Scrum. *Issues in Information Systems, X(2),* 340-348. (**Cited by 23 papers**)

- Cardon, P., Marshall, B., Norris, D., & **Cho, J.**, et al. (2009). Online and offline social ties of social network website users: An exploratory study in eleven societies. *Journal of Computer Information Systems (JCIS), 50*(1), 54-64. (**Cited by 57 papers**)

- **Cho, J.** (2008). Issues and challenges of agile software development with Scrum. *Issues in Information Systems, IX(2),*188-195. (**Cited by 63 papers**)

- **Cho, J.,** Jones, S., & Olsen, D. (2008). An exploratory study on factors influencing major selection. *Issues in Information Systems, IX(1),*168-175. (**Cited by 2 papers**)

- **Cho, J.** (2007). Globalization and global software development. *Issues in Information Systems*, *VIII*(*2*), 287-290. (**Cited by 29 papers**)

BOOK REVIEW

- Jaggie/Kelly, Business Statistics: Communication with Numbers, 1e (Reviewed 5 chapters), McGraw-Hill. (Solicited by McGraw-Hill in 2012)

CONFERENCE PPROCEEDINGS

- **Cho, J.** & Lee, J. (2017). Mobile readiness of the fortune top 100 company's websites, *Proceedings of International Association of Computer Information Systems (IACIS).* Philadelphia, PA, 17-18 (abstract only).

- **Cho, J.** (2017). Mobile readiness of the U.S. State government website, *Proceedings of the Information Institute Conferences*, Las Vegas, NV (abstract only).

- **Cho, J.** (2016). Comparative productivity analysis of hospitals based on the location, size, and types, *Proceedings of the International Association for Computer Information Systems (IACIS)*, 56th Annual Conference, Nashville, Tennessee (abstract only).

- **Cho, J.** (2015). Hospital efficiency measurement using a data envelopment analysis method and artificial neural networks, *Proceedings of the International Association for Computer Information Systems (IACIS)*, 55th Annual Conference, Clearwater Beach, FL (abstract only).

- **Cho, J.** (2015). An analysis of the efficiency of hospitals using data envelopment analysis model. *Proceedings of Society of Business Research Conference*, Orlando, FL (abstract only).

- Jandebeur, J., **Cho, J.,** Lee S., & Schaeufele, A. (2013). SWOT analysis of near field communication technology. *Proceedings of Academic and Business Institute International Conference.* New Orleans, Louisiana, NO13069.

- **Cho, J.,** Cobbs, S., Curtiss, E., Overton, K., & Redner M. (2013). Use of RFID in healthcare industry. *Proceedings of Academic and Business Institute International Conference.* Orlando, Florida, OC13056.

- Jaksic, N., Piquette, J., Druelinger, M., Lehmpuhl, D., Caprioglio, H**., Cho, J.,** et al. (2010). Maturing of a multidisciplinary cohort of STEM scholars: Year three. *Proceedings of the 2010 American Society for Engineering Education Zone IV Conference.* Reno, Nevada, 121-131.

- **Cho, J.**, Marjanovi, B., Chi, T., Vogl, M., & Bechtoldt, C. (2009). What can Yahoo! do to be more competitive? *Proceedings of 8th ISOneWorld International Conference*, Las Vegas, Nevada, 66: 1-12.

- **Cho, J.** (2007). Distributed Scrum for large-scale and mission-critical projects. *Proceedings of 13th Americas Conference on Information Systems (AMCIS-07)*, Keystone, Colorado, amcis-508-2007 (Vol. CD-ROM, 8 pages). (**Cited by 11 papers; 225 downloads from AISeL**)

- **Cho, J.**, Couraud, J., & Olsen, D. (2007). IS curriculum recommendations for web courses based on current technology use by fortune 400 companies. *Proceedings of 13th Americas Conference on Information Systems (AMCIS-07)*, Keystone, Colorado, amcis-506-2007 (Vol. CD-ROM, 10 pages). (**33 downloads from AISeL**)

- **Cho, J.** (2007). An exploratory study on management of virtual teams in distributed Scrum software development method for large-scale and complex projects. *Proceedings of 13th Americas Conference on Information Systems (AMCIS-07)*, Keystone, Colorado (Vol. CD_ROM, submitted to Doctoral Consortium). (**119 downloads from AISeL**)

- Marshall, B., **Cho, J.,** & Harris, M. (2006). Application of recent trends in web technologies. *Proceedings of 46th International Association for Computer Information Systems (IACIS-06),* Reno, Las Vegas, 34 (abstract only).

- **Cho, J.,** Kim, Y., & Olsen, D. (2006). A case study on the applicability and effectiveness of Scrum software development in mission-critical and large-scale projects. *Proceedings of 12th Americas Conference on Information Systems (AMCIS-06)*, Acapulco, Mexico, 3705-3711. (**Cited by 5 papers; 258 downloads from AISeL**)

PH.D. / MASTER'S PAPERS

- Cho, J. (2009) "An Exploratory Study on Issues and Challenges of Agile Software Development with Scrum". Ph.D. dissertation, Management Information Systems, Utah State University. (**8,144 Downloads; Cited by 14 papers**)

- Cho, J. (2000) "An Interactive Computer and Literacy Instruction System" (**Funded by National Science Foundation & U.S. Department of Education**), Master's report, Computer Science, Utah State University.

- Cho, J. (1990) "A Study on the Optimal Fixed-Size Window Scheme in RISC (Reduced Instruction Set Computer) system", Master's thesis, Computer Engineering, Chungbuk National University.

INVITED PRESENTATIONS

- **"**Agile Software Development Method for better Software Products", Invited seminar by Management & Economics Research Institute, Chungnam National University, Korea, May 18, 2016.

- "iPhone Application Development and its future", Invited seminar (2 hours), Summer Camp for Talented and Gifted Students Hosted by **KAIST** (Korea Advanced Institute of Science and Technology) Gifted, Korea, August 2, 2010.

- "Smart Phone Software Development", Invited seminar (2 hours), Summer Camp for Talented and Gifted Students Hosted by **KAIST** (Korea Advanced Institute of Science and Technology) Gifted, Korea, July 29, 2010.

PRESENTATIONS GIVEN

- "Mobile readiness of the fortune top 100 company's websites", *International Association of Computer Information Systems (IACIS).* Philadelphia, PA, 2017.

- "Mobile readiness of the U.S. State Government Website", *Information Institute Conferences*, Las Vegas, NV, 2017

- **"**Current and Future Information Technologies in Our Society", Invited by California State University, San Bernardino, 2017.

- **"**Hospital Efficiency Measurement Using a Data Environment Analysis Method and Artificial Neural Networks", Invited by California State University, San Bernardino, 2017.

- "Hospital efficiency measurement based on the location, size, and type using data envelopment analysis method and artificial neural networks", *Front Range IS Research Seminar*, Denver, CO, 2017.

- "Comparative productivity analysis of hospitals based on the location, size, and types", *the 56th. International Association for Computer Information Systems (IACIS)*, Nashville, TN, 2016.

- "Hospital efficiency measurement using a data envelopment analysis method and artificial neural networks", *the 55th. International Association for Computer Information Systems (IACIS)*, Clearwater, FL, 2015.

- "An analysis of the efficiency of hospitals using data envelopment analysis model", Society of Business Research, Orlando, FL, 2015.

- "A business perspective of QR code", *International Research Conference, Western Business and Management Association*, San Francisco, CA, 2014.

- "Issues of location based services systems", *the 53rd. International Association for Computer Information Systems (IACIS)*, San Juan, Puerto Rico, 2013.

- "SWOT analysis of near field communication technology", Academic and Business Research Institute International Conference (AABRI), New Orleans, Louisiana, 2013.

- "Use of RFID in healthcare industry", Academic and Business Research Institute International Conference (AABRI), Orlando, Florida, 2013.

- **"Management guidelines for Scrum agile software development"**, *the 51th International Association for Computer Information Systems (IACIS)*, Mobil, Alabama, 2011.

- **"Analysis of airport security based on the five components of information systems"**, *the 50th International Association for Computer Information Systems (IACIS)*, Las Vegas, Nevada, 2010.

- "A Hybrid Software Development Method for Large-Scale Projects: Rational Unified Process with Scrum", *the 49th International Association for Computer Information Systems (IACIS)*, Pittsburgh, Pennsylvania, 2009.

- "What can Yahoo! do to be more Competitive?", *the 8th of ISOneWorld International Conference*, Las Vegas, Nevada, 2009.

- "Issues and Challenges of Agile Software Development with Scrum", *the 48th International Association for Computer Information Systems (IACIS)*, Savannah, Georgia, 2008.

- "An Exploratory Study on Factors Influencing Major Selection", *the 48th International Association for Computer Information Systems (IACIS)*, Savannah, Georgia, 2008.

- "Globalization and Global Software Development", *the 47th International Association for Computer Information Systems (IACIS)*, Vancouver, Canada, 2007.

- "Distributed Scrum for Large-Scale and Mission-Critical Projects", *the 13th Americas Conference on Information Systems (AMCIS-07)*, Keystone, Colorado, 2007.

- "IS Curriculum Recommendations for Web Courses Based on Current Technology Use By Fortune 400 Companies", *Proceedings of 13th Americas Conference on Information Systems (AMCIS-07)*, Keystone, Colorado, 2007.

- "An Exploratory Study on Management of Virtual Teams in Distributed Scrum Software Development Method for Large-Scale and Complex Projects", *the 13th Americas Conference on Information Systems (AMCIS-07)*, Keystone, Colorado, 2007.

- "Agile Software Development Methods in Distributed Software Development Environment", *10th Annual Graduate Research Symposium*, Utah State University, 2007.

- "A Case Study on the Applicability and Effectiveness of Scrum Software Development in Mission-Critical and Large-Scale Projects", *the 12th Americas Conference on Information Systems (AMCIS-06)*, Acapulco, Mexico, 2006.

- "Agile Software Development Methods for Large-Scale Projects", *9th Annual Graduate Research Symposium,* Utah State University, 2006.

CONTRACTS & GRANTS

- Cho, Juyun, **Summer Research Grant**, $2,400, Hasan School of Business, Colorado State University-Pueblo summer 2017

- Cho, Juyun, **Summer Research Grant**, $2,400, Hasan School of Business, Colorado State University-Pueblo summer 2016

- Cho, Juyun, **Summer Research Grant**, $2,000, Hasan School of Business, Colorado State University-Pueblo summer 2015

- Cho, Juyun, **Provost Faculty Development Grant**, $10,649, Colorado State University-Pueblo, 2008-2017.

- Cho, Juyun, **Summer Research Grant**, $2,000, Hasan School of Business, Colorado State University-Pueblo summer 2014.

- Cho, Juyun, **Summer Research Grant**, $1,500, Hasan School of Business, Colorado State University-Pueblo summer 2013.

- Cho, Juyun, **Teaching of iPhone Applications**, $9,550, The Small and Medium Business Administration, Korea, July 4 - 15, 2011.

- Cho, Juyun, **RAGE** (Regional Access to Graduate Education) Award to develop a MIS hybrid course for MBA students, $2,500, May 15 – August 15, 2011.

- Cho, Juyun (PI), Spencer, Dawn (CO-PI), **CIS Computer Lab Computer Replacement**, $14,500, Colorado State University – Pueblo, fall 2011.

- Cho, Juyun, **Course Development and Teaching of iPhone Applications**, $8,770, The Small and Medium Business Administration, Korea, July 12 - 23, 2010.

- Cho, Juyun, **Summer Research Grant**, $5,000, Hasan School of Business, Colorado State University-Pueblo, summer 2008.

HONORS & REWORDS

- **Dean's Award in recognition of Excellence in Service**, 2016, Hasan School of Business, CSU-Pueblo
- Accepted to AMCIS 2007 Doctoral Consortium
- Travel Funds Award, Graduate Student Senate (GSS), Utah State University, 2006 & 2007
- Travel Funds Award, Department of Management Information Systems, Utah State University, 2006
- **Former Korean President's Scholarship**, IL-HAE scholarship foundation, full-tuition & book expenses, Chungbuk National University, 1985-1987
- **University President's Scholarship** (Full tuition), Chungbuk National University, 1984.

UNIVERSITY WORK EXPERIENCE

- **Associate Professor fall 2013-present (Tenured in August 2010)**
  - Colorado State University-Pueblo, 2200 Bonforte Blvd, Pueblo, CO 81001

- **Assistant Professor, Spring 2008-Spring 2013**
  - Colorado State University-Pueblo, 2200 Bonforte Blvd, Pueblo, CO 81001

- **Program Coordinator, Department of Computer Information Systems, August 2011-August 2015**
  - Colorado State University-Pueblo, 2200 Bonforte Blvd, Pueblo, CO 81001 (job description is specified in Appendix A)

- **Graduate Instructor, September 2005-September, 2007**
  - Utah State University, Logan, UT 84322

- **Research Assistant in Multimedia Lab, June 1996-September 1997**
  Computer Science Department, Utah State University, Logan, UT
  - Participated in the research project called "Computer Literacy" -- A multi-media computer based instructional system that teaches college student how to use Word Processor, Spread Sheet, VAX/VMS Email, Windows95 Systems, UNIX Systems and Internet. (ToolBook and Paradox database were used, **Funded by National Science Foundation & the United States Department of Education**)

- **Teaching Assistant, March 1996-June 1996**
  Computer Science Department, Utah State University, Logan, UT
  - Helped students with C and C++ program problems.
  - Graded CS410. (Operating Systems)

- **Research Assistant, September 1995-March 1996**
  Computational Sciences Division, Space Dynamics Lab (SDL), Logan, UT
  - Tested software and data of **NASA projects** using IRIS "Explorer" in SGI workstation.

- **Assistant Technician, October 1994-September 1995**
  Merrill Library, Utah State University, Logan, UT
  - Dumped data and maintained MDAS of Merrill & Sci-Tech Libraries.
  - Retrieved and analyzed statistical data to see how the Libraries databases are being accessed and used.

- **Teaching Assistant, 1988-1990**
  Dept. of Computer Engineering, Chungbuk National University, Chungbuk, Korea.
  - Taught architecture of Z-80 micro processor and Assembly Language.
  - Helped students build Analogue/Digital Converter.

- **Computer Lab Consultant, March 1988-February 1989**
  Dept. of Computer Engineering, Chungbuk National University, Chungbuk, Korea.

- o Maintained Software program and hardware equipment.
- o Helped students with computer problems.

INDUSTRY WORK EXPERIENCE

- **Software Engineer II, December 2003-January, 2006**
  Spillman Technologies Inc., 4625 West Lake Park Blvd. Salt Lake City, UT 84120 (Spillman Technologies *provides complicated public safety software solutions such as 911 dispatch system, jail management system, and fire/emergency medical system.*
  http://www.spillman.com/)
  - o Performs product design and system analysis.
  - o Researches, develops, designs and maintains application software.
  - o Establishes standards, procedures, and specification for software development and maintenance.
  - o Implements changes, corrects problems to modify, develop, and enhance functionality.
  - o Analyzes software requirement to determine feasibility of design.
  - o Consults with customer concerning design issues.
  - o Organizes and participates in software design and code reviews.
  - o Participates in the definition of technical requirements, software procedures, software installation, upgrade issues, and user documentation for application software.
  - o Performs code verifications, release testing, and beta support for assigned products.
  - o Researches problems discovered by Quality Assurance for product support.
  - o Develops solutions to problems.
  - o Researches and understands the marketing requirements for a product, including target environment, performance criteria and competitive issues.

- **Software Engineer II/Project Manager, February 2000-September, 2003**
  Global Mart / PickSend Inc., 517 W. 100 N. Providence, UT 84332 (*E-Commerce retail/whole sale company selling products through the Internet*)
  - o Supervised 4-6 web programmers.
  - o Implemented GUI using Borland C++ Builder for order processing system, product management system, purchasing system, receiving system, inventory management system, credit card transaction system, accounting system, retail store management system (Cash sales, layaway and rental system), vendor management system, and RMA system.
  - o Set up interface between our order processing system and remote site drop shippers database system using ODBC.
  - o Implemented database-enabled Shopping Cart and Cashpad system using CGI for globalmart.com, escapeoutdoors.com, globalmartoutlet.com, and poweredmarket.com.
  - o Implemented Server Monitor system using Client-Server TCP/IP Socket program between Windows and Linux Machines. (When server goes down Windows machine calls out manager's cell phone)
  - o Implemented Interface between our database and UPS/Fedex shipping system using ODBC in Windows NT system.
  - o Implemented various reporting systems using Perl.

- o Designed Database driven dynamic web site using Perl , Perl DBI, and PHP. (http://www.globalmart.com, http://www.picksend.com)
- o Implemented cron jobs for automated ftp and data dump using Perl.
- o Set up search engine strategies for company's web site.
- o Implemented Linux Raid System.
- o Set up Web Statistics Program.
- o Set up and Maintained Linux Gateway Server(Sangome Card for T1 frame relay server), Firewall Server(IPCHAINS), Proxy Server, Email Server, Apache Web Server, Fax Server, DNS Server, File/Printer Server, Database Server(MySQL), Backup Server.

- **Software Engineer II, September 1999-Feburary 2000**
  Intermountain Transcription Services Inc., 570 Research Parkway, North Logan, UT 84341 (*provides medical transcription services*)
  Designed, implemented, tested, and debugged the following
  - o Object Oriented Windows Program using Borland C++ Builder.
  - o Relational Database System.
  - o GUI for medical transcription system.
  - o Set up/Maintain Linux Server.

- **Software Engineer, September 1997-September 1999**
  Digitran System Inc., 2176N. Main, Logan, UT (Digitran Inc. *makes sophisticated computer simulated software for mining, petroleum, vehicle, and maritime crane industries*)
  Analyzed, designed, implemented, maintained the following
  - o TCP/IP, UDP/IP Networking, Low Level Socket Networking, and Serial Communication for Win95/NT and UNIX.
  - o Graphical User Interface for Win95/NT and X Motif for SGI IRIX/LINUX using MS visual C++ and Dataview Xdesigner.
  - o Motion, Hardware Interfacing.
  - o Simulation Logic for Crane, Oil, and Truck Simulator.
  - o Multi-Channel Sound System Control for Win95 and Linux.
  - o OpenGL Graphics Program.
  - o Converting code from SGI IRIX to Linux.
  - o Set up Email/Web Server, LAN, CVS(Concurrent Version System) and Firewalls.

PROFESSIONAL ACTIVITIES & AFFILIATIONS
- **Editorial Review Board Member**
  - o International Association for Computer Information Systems, Issues in Information Systems, 2013-2014

- **Panel Discussant**
  - o The Korean Research Association for the Business Education, July 2, 2011, Seoul, Korea

- **Reviewer**

- British Journal of Science and Technology, 2012
- Issues in Information Systems, 2007-2011, 2013
- Americas Conference on Information Systems (AMCIS) 2007, 2010
- Pacific Asia Conference on Information Systems (PACIS) 2007
- International Association for Computer Information Systems (IACIS) 2007-2011
- AMCIS Doctoral Consortium, 2007

- **Session Chair**:
  - International Association for Computer Information Systems, Philadelphia, Pennsylvania, 2017
  - ISOneWorld Information Institute Conference, Las Vegas, Nevada, 2017
  - Academic and Business Research Institute (AABRI), Orlando, Florida, 2013
  - Academic Business World International Conference, Nashville, Tennessee, 2012
  - Security, International Association for Computer Information Systems (IACIS), Las Vegas, Nevada, 2010.
  - Software Engineering, International Association for Computer Information Systems (IACIS), Savannah, Georgia, 2008.
  - Expert systems, International Association for Computer Information Systems (IACIS), Vancouver, Canada, 2007.

- **Student Representative** for Doctoral Advisory Committee in Interdisciplinary Department Program, Utah State University, 2006-2007

- **Professional Membership**
  - International Association for Computer Information Systems (2006-present)
  - Association for Information Systems (2005-2007, 2011-2012)
  - ACM Special Interest Group on Knowledge Discovery & Data Mining (SIGKDD) 2003-2008

- **Military Service:** Korean Army: 1990 – 1992

GENERAL SERVICES

- Member, Faculty Senate, CSU-Pueblo (fall 2016)
- Member, CIS Search and Screen Committee, CSU-Pueblo (fall 2016)
- Coordinator, Department of Computer Information Systems, CSU-Pueblo, (fall 2011 – fall 2015)
- Chair, CIS faculty Search and Screen Committee, CSU-Pueblo (fall 2014)
- Member, PRC (Performance Review Committee), CSU-Pueblo, (fall 2014)
- Chair, CIS faculty Search and Screen Committee, CSU-Pueblo (spring 2013)
- Chair, CIS faculty Search and Screen Committee, CSU-Pueblo (fall 2009 – spring 2010)
- Member, CIS faculty Search and Screen Committee, CSU-Pueblo (fall 2011 – spring 2012)
- Member, HSB Dean Search and Screen Committee, CSU-Pueblo (fall 2011 - spring 2012)
- Member, HSB Graduate Committee, CSU-Pueblo (fall 2012 – present)
- Member, S-STEM (Scholarship for Science, Technology, Engineering, and Math) Committee, CSU-Pueblo (fall 2009 – fall 2011)
- Member, Information Technology Board Committee, CSU-Pueblo (fall 2009 – 2014)

- Member, Blackboard Advisory Committee, CSU-Pueblo (spring 2011-spring 2012)

COUNSULTING

- Technical/Professional Work, Transportation Technology Center Inc., Pueblo, Colorado, September, 2008.
- Technical/Professional Work, Magnatag.com Inc., New York, New York, October, 2008.
- Technical/Professional Work, URLTec Inc., Annaheim, California, March, 2008.
- Technical/Professional Work, Millennial Medical, Logan, Utah, January, 2007 – March, 2007.
- Technical/Professional Work, MagEvap Inc., Fillmore, Utah, September, 2006 – December, 2006.

DEVELOPMENT ACTIVITIES ATTENDED

- Workshop, Discussion of teaching challenges and relevant strategies for addressing them, Carl Wieman, Nobel Laureate, profess of physics and graduate school of education at Stanford University, September 15, 2016
- Seminar, Big Data and Higher Education, Kurt Allebach, Microsoft Worldwide Community Lead for Smart Cities, Marriott Suites on Sand Key, Clearwater Beach, FL, October 9, 2015
- Seminar, Cybersecurity and Intelligence, Norman R. Hayes, Vice President, Cybersecurity and Intelligence Strategies, Marriott Suites on Sand Key, Clearwater Beach, FL, October 8, 2015
- Workshop, The Remixed Classroom: Active, Engaged Learning in Technology-Enhanced Courses, Colorado State University-Pueblo, August 20, 2015
- Conference, International Conference on Information Systems, Auckland, New Zealand, December 14-17, 2014
- Seminar, Delivering Online/Hybrid Courses and Degree Programs hosted by AACSB (Association to Advance Collegiate Schools of Business), JW Marriot Hotel, Denver, Colorado, April 30 - May 1, 2014
- Workshop, "Strategies for using online education to improve education quality", September 20, 2013
- Workshop, "Colorado Learning and Teaching with Technology", University of Colorado, Boulder, Colorado, August 10, 2013
- Seminar, AACSB (The Association to the Advance Collegiate Schools of Business) accreditation maintenance seminar, San Antonio, Texas, January 22, 2013
- Workshop, "What are our assessment telling us?", Led by Linda Suskie & hosted by Provost office, CSU-Pueblo, March 2, 2012
- Workshop, "Assessment and Rubrics", Led by Mary Allen & hosted by Provost office, CSU-Pueblo, September 21, 2012
- Conference, International Conference on Information Systems, Shanghai, China, December 3-8, 2011
- Workshop, "Business Statistics with ALEKS", McGraw Hill, Teleconference, March 13, 2009.
- Workshop, "Innovative way to teach MIS", David Kroenke, Teleconference, April 8, 2009.
- Workshop, "How to teach Google docs and spreadsheet, MS share points, Net Meeting, and Groove", David Kroenke, Teleconference, April, 2008.

- Conference, International Conference on Information Systems, Milwaukee, Wisconsin, December 10-14, 2006.
- Workshop/Seminar, "Teaching Portfolios", Utah State University, Logan, Utah, November, 2006.
- Workshop/Seminar, "Information Technology Seminar", Logan, Utah, November 8-9, 2006.
- Workshop/Seminar, "Information Technology Seminar", Logan, Utah, January 25-26, 2006.
- Conference, International Conference on Information Systems, Venetian Hotel, Las Vegas, December 11 - 14, 2005

PROFESSIONAL SKILLS

- **Computer Programming Languages:**
  Python, Swift for iOS, R programming, Objective-C for iOS, C, C++, C#, PHP, Java, Java Script, Perl script, Perl, Perl DBI, UNIX shell script, HTML, XHTML, DHTML, PVM, Lisp, Prolog, Assembly Language, Pascal, FORTRAN, BASIC, Visual Basic.

- **Software Packages:**
  Android Studio for Android App Development, XCode for iOS App development, MATLAB, MS Visual Studio .NET, MS Visual C++/J++, Borland C++ Builder, dBaseIV, Paradox, MySQL, Asymmetric Toolbook, , NeuralWare, SLAM II.

- **Operating Systems:**
  Windows XP/Vista/7/8/10, iPhone iOS & Mac OS X, Linux, SunOS, IBM AIX, HP-UX, SGI-IRIX, VAX/VMS, DEC ULTRIX

- **Platforms:**
  HP-UX 9000/700, SunSPARC, SGI, DEC 5000, VAX 11/780, IBM PC/Compatibles, Macintosh.

Appendix A

I served as a program coordinator of Department of Computer Information Systems between August 2011 and August 2015 at the Colorado State University, Pueblo. The responsibilities of the area coordinator include:

1. Area Administration – convene regular meetings of the area faculty to discuss items of concern and relevance to the area; maintain documentation regarding the area activities.

2. Planning and Goal Setting – lead area faculty discussions regarding area plans and goals for each academic year; provide bulleted summaries in September regarding yearly goals/plans and in May regarding accomplishment of goals.

3. Course Scheduling/Teaching Assignments – provide input to annual course scheduling processes including reviewing drafts of schedules, presenting drafts at area faculty meetings, receiving faculty feedback, adjust caps, and providing suggestions for improvements.

4. Course/Program/Curriculum Oversight and Assessment of Learning (AOL) – coordinate and supervise curricular review and outcomes assessment in the area including course creation, review and revision and catalog review and revision, along with embedded, course and curricular assessments.

5. Faculty and Budgets – provide input regarding faculty professional accounts, other faculty expenditures, faculty salary concerns and ad hoc faculty requests for additional funding.

6. Faculty Positions and Hiring – provide input regarding tenure-track faculty deployment, open faculty positions, HSB faculty priorities and faculty searches.

7. Adjunct Faculty Recruitment – review resumes, meet with potential adjuncts and make hiring recommendations to the faculty chair for open sections in the area.

8. Provide support to the Faculty Chair regarding Annual Performance Reviews (TBD).

9. Provide a clearinghouse for student/faculty academic concerns.

10. AACSB – attend training (AACSB seminars) and provide faculty leadership regarding knowledge of, and satisfaction of, the AACSB accreditation standards.

11. Miscellaneous Duties – represent the area faculty on the HSB leadership team, attend twice monthly area coordinator meetings, provide input/feedback to the college administration regarding policies and procedures, and serve as the formal information conduit to the area faculty. Other duties as appropriate.