

Young Lee

EDUCATION	Ph.D., Computer Science and Software Engineering December 2007 Auburn University; Auburn, AL Advisor: Professor Kai H. Chang. Dissertation Title: Automated Source Code Measurement Environment for Software Quality
	M.Sc., Computer Science February 1991 Hallym University, South Korea
	B.Sc., Computer Science February 1989 Hallym University, South Korea
EMPLOYMENT HISTORY	Associate Professor September 2014 to present Dept. of Electrical Engineering and Computer Science Texas A&M University-Kingsville
	Assistant Professor January 2008 to August 2014 Dept. of Electrical Engineering and Computer Science Texas A&M University-Kingsville
	Visiting Assistant Professor August 2007 to December 2007 Dept. of Electrical Engineering and Computer Science Texas A&M University-Kingsville
	Visiting Assistant Professor August 2006 to May 2007 Dept. of Computer and Software Engineering Embry Riddle Aeronautical University
	Assistant Professor August 2002 to May 2006 Dept. of Computer Science, Western Illinois University
	Teaching Assistant August 2001 to May 2002 Dept. of Computer Science and Software Engineering Auburn University
	Research Assistant August 1998 to August 2001 Dept. of Computer Science and Software Engineering Auburn University
	Research Engineer February 1991 to August 1998 C ³ I (Command, Control, Computer and Intelligence) Division, EW (Electronic Warfare) Division, Agency for Defense Development (ADD), South Korea
	Teaching Assistant September 1989 to February 1991 Dept. of Computer Science, Hallym University, South Korea

**COURSES
TAUGHT at
Texas A&M-
Kingsville**

CSEN5401 Advanced Topics in CS
CSEN5325 Software Engineering
CSEN5322 Operating Systems
CSEN5303 Object-Oriented Analysis and Design
CSEN5303 Mobile Application Programming
CSEN5303 Web Programming
CSEN4362 Operating Systems
CSEN4335 iPhone/iPad Programming
CSEN4336 Special Problems (iOS Swift Programming)
CSEN4317 Software Engineering II
CSEN4316 Software Engineering I
CSEN2310 Object-Oriented Software Engineering

**COURSES
TAUGHT at
Embry Riddle
Aeronautical
University**

CS550 Current Trends in Software Engineering
CS420 Software Quality Assurance
SE300 Software Engineering Practice
CS211 Principles of Computer Science
CS118 Fundamentals of Computer Programming (Python)

**COURSES
TAUGHT at
Western Illinois
University**

CS585 Topics of Software Engineering
CS492 Software Engineering II
CS491 Software Engineering I
CS484 Network and Data Communication Concepts
CS483 Microcomputer Systems with Database Applications
CS410 System Programming
CS371 UNIX
CS310 Computer Organization
CS301 Advanced Microcomputer Systems with Spreadsheet Applications
CS212 Java Programming

**REFEREED
JOURNAL
ARTICLES**

* students

1. Yang, Jeong; Lee, Young; Chang, Kai, "Evaluation of JaguarCode: A Web-Based Object-Oriented Programming Environment with Static and Dynamic Visualization", IEEE Transactions of Learning Technologies (submitted)
2. Madhusudan Srinivasan; Young Lee; Jeong Yang, "Dynamic Visualization of Java Software Systems using Sequence Diagrams", Empirical Software Engineering (submitted)
3. Young Lee, Marepalli Dhanunjaya Bhargavan*, Jeong Yang, " Teaching Test-Driven Development Using Dojo ", Journal of Computing Sciences in Colleges (accepted)
4. Aritra Ghosh*, Young Lee, "An Empirical Study of a Hybrid code clone detection approach on Java byte code", Journal on computing", GSTF Journal on Computing, Vol.5 No.2 (published)
5. Ketul Shah*, Jeong Yang, Young Lee, "Enhancing Engineering Education Using Virtual Lab Technology", TRANSACTIONS ON TECHNIQUES IN STEM EDUCATION, July – September 2016 issue
6. Jeong Yang, Young Lee, Sung-won Park, Monica Ratcliff, and Reza Ahangar, "Discovering the Needs Assessment of Qualified STEM Teachers for the High-Need Schools in South Texas", Journal of STEM Education, Vol 16., Issue 4., pp.40-45, 2015
7. Pardha Koyya*, Young Lee, and Jeong Yang, "Feedback for Programming Assignments using software metrics and reference code", ISRN Software Engineering, 2013.
8. Pranay Kumar Sevela*, Young Lee, and Jeong Yang, "Determining The Barriers Faced By Novice Programmers", International Journal of Software Engineering, Vol 4., No. 1, pp.10-22, 2013.
9. Hyung Jun Yoo*, Young Lee, "Use of Cell Block as an Indent Space in Python", International Journal of Software Engineering, Vol 4., No. 1, pp. 33-43, 2013.
10. Nuri Yilmazer, Kuo-Jen Liao, Young Lee, Juan Mora*, William Webb*, Remzi Seker, "A New Generation Air Pollution Alert System: Integrating Air Quality Models and Location-Aware Mobile Devices", International Journal of Environmental Monitoring and Analysis. Vol. 1, No. 1, pp. 21-26, 2013

11. Taeg Hyun Kang*, Young Lee, and Mais Nijim, "Task-Based Visualization using Merged View", Journal of Communication and Computer, Vol 9. pp. 665-668, 2012
12. Young Lee, Victoria Christy Sathya Rajasekar* and Prawanth Reddy Kasula*, "Accessibility of Website for Visually Challenged: Combined Tree Structure and XML Metadata", GSTF Journal on Computing, Vol.2 No.1. pp. 7-10, 2012
13. Young Lee and Jeong Yang, "Locating Reusable Classes Using Dependency in Object-Oriented Software", GSTF Journal on Computing, Vol.2 No.1. pp.134-139, 2012

**REFEREED
PROCEEDINGS**

* students

1. Amit Adhikaree, Taesic Kim, Harshvardhan Makani, Ason Ochoa, Patrick Hernandez and Young Lee, "Cloud-based Battery Health Monitoring Platform for Large-Scale Lithium-ion Battery Energy Storage Systems using Internet-of-Things (IoT): Opportunities and Challenges", 2017 IEEE Energy Conversion Congress and Exposition (ECCE 2017) (submitted)
2. Joon-Yeoul Oh, Young Lee and Amir Hossein Gharehgozli, "Developing Early Risk Detection and Preparedness System with Risk Analysis and Contingency Plan", Proceeding of Mary Kay O'Connor Process Safety Center, 19th Annual International Symposium, pp. 594-610, October 25-27, 2016, College Station, Texas
3. Jeong Yang, Young Lee, David Hicks "Synchronized Static and Dynamic Visualization in a Web-Based Programming Environment," IEEE International Conference on Program Comprehension (ICPC), 2016
4. Madhusudan Srinivasan*, Jeong Yang, Young Lee, "Case Studies of Optimized Sequence Diagram for Program Comprehension," IEEE International Conference on Program Comprehension (ICPC), 2016
5. Brandon Earwood*, Jeong Yang, Young Lee, "Impact of Static and Dynamic Visualization in Improving Object-Oriented Programming Concepts," IEEE Frontiers in Education (FIE), October 2016, Erie, PA (under review)
6. Madhusudan Srinivasan*, Young Lee, Jeong Yang, "Enhancing Object-Oriented Programming Comprehension using Optimized Sequence Diagram," IEEE International Conference on Software Engineering Education and Training (CSEE&T), pp. 81-85, 2016
7. Jeong Yang, Young Lee, David Hicks, Kai H. Chang, "Enhancing Object-Oriented Programming Education using Static and Dynamic Visualization", IEEE Frontiers in Education, Oct 2015, El Paso, TX
8. Jeong Yang, Young Lee, "Virtual Mentoring System for Enhancing Student Programmer's Coding and Reasoning Skills", 8th Annual Mentoring Conference, Oct 2015, Albuquerque, NM
9. Joon-Yeoul Oh, Young Lee, Nuri Yilmazer, Kartik Raman, Larry Peel, "Risk Mitigation in Mass Evacuation with Evacuation Routing Aid and Procedure", 4th International Conference on Disaster Management and Human Health: Reducing Risk, Improving Outcomes, 20 - 22 May 2015, Istanbul, Turkey
10. Joon-Yeoul Oh, YoungJin Lee, Nuri Yilmazer and Kartik Raman, "Decision Making in Evacuation From Disaster" Proceedings of the International Association for Computer Information Systems (IACIS), pp. 4-5, 2014
11. Ketul Shah*, Young Lee, "Automatic Sensor Configuration for Creating Customized Sensor Network," CSOC14 - 3rd Computer Science On-line Conference
12. Ketul Shah, Aritra Ghosh, Md Naim Hossein, Young Lee, "Enhancing Engineering Educational Using Virtual Lab Technology," Zone 1 Conference of the American Society for Engineering Education, Bridgeport, Connecticut, 2014
13. Young Lee, Joon-Yeol Oh, Nuri Yilmazer, Aritra Ghosh, Md Naim Hossein, "An Integrated Emergency Evacuation System for Real-Time Operations - A Case Study of the Eagle Ford Shale Gas Area, South Texas," Shale Energy Engineering, pp. 502-511, 2014
14. Joon Yeoul Oh, Young Lee, Nuri Yilmazer, "Realtime Mobile Evacuation Routing Systems", IACIS 2013 International Conference, San Juan, Puerto Rico, 2013
15. Nikhil Mantrawadi*, Mais Nijim, Young Lee, "Object identification and classification in a high resolution satellite data using data mining techniques for knowledge extraction", Proceeding pp.750-755, IEEE International Systems Conference (SYSCON), 2013
16. Nuri Yilmazer, Kuo-Jen Liao, Young Lee, Juan Mora*, and William Webb*, "Development of A Real-

Time Air Pollution Alert System Using Smart Phones”, Proceedings of the International Conference on Distributed Multimedia Systems (DMS), pp. 39-41, 2012

17. Young Lee and Jeong Yang, "Identifying Architectural Changes Using Software Metrics", Proceedings of the International Conference on Software Engineering Research and Practice (SERP), pp. 370-375, 2010
 18. HyungJun Yoo* and Young Lee, "Software Visualization: Replacing Tab in Python Programming with Cell Block in Spreadsheet", Proceedings of the International Conference on Software Engineering Research and Practice (SERP), pp. 76-79, 2010
 19. TaegHyun Kang*, Young Lee, and Wei-Dao, "Task-Based Visualization for Software Maintenance", Proceedings of the International Conference on Software Engineering Research and Practice (SERP), pp. 563-567, 2009
 20. Young Lee and Jeong Yang, "Visualization of Software Evolution ", Proceedings of the International Conference on Software Engineering Research and Practice (SERP), pp. 343-348, 2008
 21. Joon-Yeol Oh, Young Lee, and Richard A. Aukerman, "Decision Support Systems in Highway Traffic Control", Proceedings of the International Association for Computer Information Systems (IACIS), page 70, 2008
 22. Young Lee, Jeong Yang and Kai H. Chang "Metrics and Evolution in Open Source Software", Proceedings of IEEE International Conference on Quality Software (QSIC), pp. 191-197, 2007
1. Victoria Christy Sathya Rajasekar*, Young Lee, and Barbara Schreur, "Accessing Web Based Multimedia Documents for Visually Challenged: Combined Tree Structure and XML Metadata", Innovations and Advances in Computer Sciences and Engineering, Springer, pp. 457-462, 2010
 2. Young Lee, Jeong Yang, and Kai H. Chang, " Identifying Connected Classes for Software Reuse and Maintenance ", Innovations and Advances in Computer Sciences and Engineering, Springer, pp. 389-393, 2010
 3. Sarin Kizhakkepuravil*, Joon-Yeol Oh and Young Lee, "Mobile Application for Healthcare System – Location Based”, Innovations and Advances in Computer Sciences and Engineering, Springer, pp. 297-301, 2010

BOOK CHAPTERS

* students

REFEREED ABSTRACTS

* students

1. Monica Wong-Ratcliff, Young Lee, "PREPARING FUTURE STEM TEACHERS THROUGH NSF ROBERT NOYCE SUMMER INTERNSHIP PROGRAM", Hawaii International Conference on Education 15th Annual Conference, Honolulu, Hawaii, January 3-6, 2017
2. Jeong Yang, Young Lee, "How Static and Dynamic Visualizations Meet with Source Code to Improve Program Comprehension", US-Korea Conference on Science, Technology and Entrepreneurship (UKC), 2016
3. Monica Wong-Ratcliff, Young Lee, Marie-Anne Mundy, and Jeong Yang, "Practical Tips for Organizing a NSF Robert Noyce Summer Internship Program", Hawaii International Conference on Education 14th Annual Conference, Honolulu, Hawaii, January 3-6, 2016
4. Jeong Yang, Young Lee, "Web-based IDE for Novice Java Programmers", US-Korea Conference on Science, Technology and Entrepreneurship (UKC), 2015
5. Young Lee, Jeong Yang, "Improving Object-Oriented Programming Education Using Static and Dynamic Visualization", US-Korea Conference on Science, Technology and Entrepreneurship (UKC), 2015
6. Young Lee, Sasikanth Dale, Jeong Yang, "Detecting Barriers by students in C and Java Courses", US-Korea Conference on Science, Technology and Entrepreneurship (UKC), 2014
7. Young Lee, Nuri Yilmazer, Joon Yeoul Oh, "Health Monitoring Framework for Mobile Application", US-Korea Conference on Science, Technology and Entrepreneurship (UKC), page 46, 2013
8. Young Lee, "Developing Health Information Technology Network at South Texas", US-Korea Conference on Science, Technology and Entrepreneurship (UKC), page 46, 2013
9. Jeong Yang, Praney Sevela, Young Lee, "Finding Barriers Faced by Novice Programmers", US-Korea Conference on Science, Technology and Entrepreneurship (UKC), page 46, 2013
10. Young Lee, Nuri Yilmazer, Kuo-Jen Liao, Juan Mora*, and William Webb*, "Environmental Disaster Alert Framework for Mobile Application", US-Korea Conference on Science, Technology and

Entrepreneurship (UKC), page 46, 2012

11. Young Lee and Jeong Yang, "Identifying Correlation Among Object-Oriented Software Metrics", US-Korea Conference on Science, Technology and Entrepreneurship (UKC), page 285, August 2011
12. Young Lee and Jeong Yang, "Correlation Among Coupling Metrics in Object-Oriented Software", US-Korea Conference on Science, Technology and Entrepreneurship (UKC), page 286, August 2011
13. Joon-Yeol Oh and Young Lee, "Decision Support Systems For Online Travel Agencies", The International Business & Economics Research (IBER) Conference and College Teaching & Learning (TLC) Conference, 2008

- PRESENTATION**
1. Development of Air Pollution Alert System: Integrating Air Quality Forecasting Models and Location-aware Mobile Devices", CREST-RESSACA Environmental and Energy Sustainability Conference, Houston, Texas, April 26-27, 2012
 2. "Experimenting with Pair-Programming Model in the Software Engineering Classroom", 5th Conference on the Scholarship of Teaching and Learning, Texas A&M University-Kingsville, Kingsville, Texas, February 10-11, 2011
 3. "Tracking Software Quality", Texas Research Exchange Fest in Computing (TREF-C), Texas A&M University, College Station, Texas, September 26-27, 2011

**FUNDED
INTERNAL
GRANTS**

1. Title: NSF Noyce Summer Internship Program
Source: TAMUK Support of Service Learning Courses or Programs
Role: Co-PI
Amount: \$10,000
Duration: July 2016 – June 2017
Others collaborated: Monica Wong-Ratcliff (PI)
2. Title: One-to-One Virtual Mentoring System (VMS) for Enhancing Student Programmer's Programming Skill and Logical Thinking
Source: TAMUK Council for Undergraduate Research (TCUR)
Role: Co-PI
Amount: \$4,500
Duration: January 2015 – July 2015
Others collaborated: Jeong Yang (PI)
3. Title: NSF Noyce Summer Internship Program
Source: TAMUK Support of Service Learning Courses or Programs
Role: Co-PI
Amount: \$10,000
Duration: January 2015 – June 2015
Others collaborated: Monica Wong-Ratcliff (PI)
4. Title: Developing a New Optimal Evacuation Route and Real-time Evacuation Routing Aid based on the Eagle Ford Shale development in South Texas
Source: COE and CREST-RESSACA seed project awards
Role: Co-PI
Amount: \$11,907
Duration: November 20, 2012 – December 31, 2013
Others collaborated: Joon-Yeoul Oh (PI), Richard A. Aukerman (Co-PI)
5. Title: Development of Air Pollution Alert System: Integrating Air Quality Forecasting Models and Location-aware Mobile Devices
Source: University Research Award
Role: Co-PI
Amount: \$14,997
Duration: January 1, 2012 – June 1, 2013
Others collaborated: Nuri Yilmazer (PI), Kuo-Jen Liao (Co-PI)
6. Title: Mobile Device Programming Laboratory in Support of Graduate Education and Economic Development
Source: University College/Office of Title V Program/PPOHA Internal Equipment Grant
Role: PI
Amount: \$16,980
Date: April, 2011
Others collaborated: Robert Diersing (PI)
7. Title: Categorizing Object-Oriented Software Architecture
Source: University Research Award
Role: PI
Amount: \$12,300
Duration: October, 2010 – December, 2011
Others collaborated: Wei-Da Hao (Co-PI)

- MEMBERSHIP IN PROFESSIONAL SOCIETY**
- Member of Association for Computing Machinery (ACM) Special Interest Group on Software Engineering (SIGSOFT)
 - Member of Korean-American Scientists and Engineers Association (KSEA)
 - Member of Korean Computer Scientists and Engineers Association in America (KOCSEA)
 - KASTE (Korean-American Society for Technology Entrepreneurship) Founding Member
 - Technical Program Committee member, 2014 IEEE Frontiers in Education (FIE), 1/2/2014-current
 - Editorial Board Member, Journal of Biometrics and its Applications, 12/2/2014-current

**ATTENDANCE
AT
PROFESSIONAL
MEETINGS**

- Attended South Texas Student Success Conference, TAMUK, March 10-11, 2016
- Attended CSEE&T, Dallas, TX, March 5-7, 2016
- Attended NSP BPE teleconference, May 13, 2016
- Attended IEEE ICPC, Austin, TX, May 15-17, 2016
- Attended NSF Noyce Collaborated Research Project Meeting, Houston, TX, August 15-15, 2016
- Attended NSF IUUSE Webinar, September 27, 2016
- Attended NSF Review Panel Webinar, 2016
- Attended NSF Review Panel Meeting, Washington DC, 2016
- Attended 16th KOCSEA Technical Symposium, Claremont, CA, Dec 2015
- Attended Western Regional Noyce Conference, San Diego, CA, Nov 2015
- NSF IUUSE Webinar - Session F1508- Pre-Service STEM Teacher Education in IUUSE, Sep 2015, Oct 2015
- NSF Proposal development meeting for “Collaborative Research: Understanding Robert Noyce Teacher Scholarship Outcomes in Texas”, 12 Universities are attended, June 2015
- Tenure and Promotion Committee Meeting, Oct 2015
- Upward Math&Science Annual Academic Recognition dinner, Henrietta Memorial Center, Kingsville, July 2015
- South Texas STEM Coalition Meeting, Fall 2014, Spring 2013, Fall 2012, Fall 2010
- South Texas Career Expo, JK Northway in Kingsville, 2/28/2014
- Healthcare Information and Management Systems Society (HIMSS) conference, March 3-6, 2013, New Orleans, LA
- HRSA RHITND grantee meeting, March 20-22, 2013, Minneapolis, MN
- NSF Noyce grantee meeting, May 29-31, 2013, Washington D.C
- KSEA Central Texas Regional Conference, May 19-20, 2012, Austin, TX
- Robert Noyce Teacher Scholarship Program QEM WEBINAR, February 15, 2012
- SEI Webinar “Architecture Software the SEI Way - Essential Steps Toward Mastery”, Feb 28, 2012
- SEI Webinar, Getting the performance you need from processes that work: The CMMI Accelerated Improvement Method, Thursday, March 8, 2012
- MRI QEM Workshop, November 11-13, 2011, Atlanta, GA
 - Travel support from Quality Education for Minorities (QEM)
- SEI webinar seminar, “Making Agile Work for You” by Timothy A. Chick
Software Engineering Institute, Carnegie Mellon, July 21, 2011
- Responsible Conduct Research (RCR) Workshop February 24, 2010 TAMUK
- CAREER QEM Workshop February 19-20, 2010, Las Vegas, LV
 - Travel support from ORSP, TAMUK
- CCLI Advanced Grant Writing Workshop, March 15-16, 2010, Washington D.C
 - Travel support from Quality Education for Minorities (QEM)
- Robert Noyce Teacher Scholarship Program QEM Workshop, December 10-11, 2010, New Orleans, LA
 - Travel support from Quality Education for Minorities (QEM)

**CONTINUING
PROFESSIONAL
EDUCATION**

- Oregon Programming Language Summer School (OPLSS), June 14–June 19, 2015, Oregon, USA
- Effective College Teaching Workshop, August, 2015
- Instructional coach training, Center for Teaching Effectiveness, TAMUK, July 18-19 and July 25-26, 2012
- Grantsmanship Training Program, July 12-16, 2010, Corpus Christi, TX
 - Registration support from College of Engineering, TAMUK
- Recruiting Hispanic Male Workshop March 26-27, 2010, Las Vegas, LV
 - Travel support from Quality Education for Minorities (QEM)
- Speech clinic, Communication Disorder Clinic, TAMUK, Fall 2010, Spring/Fall 2011

PROFESSIONAL SERVICE

- Paper Review, 2016 IEEE Frontiers in Education (FIE 2016)
- Paper Review, International Association of Computer Investigative Specialists (IACIS 2016)
- Paper Review, British Journal of Education, Society & Behavioural Science, 2016
- Editorial Board Member, Journal of Biometrics and its Applications
- Paper Review, IEEE International Conference on Information Science and Applications (ICISA)
- External Reviewer of Tenure and Promotion, PSU Harrisburg
- Member of Program Committee, ACM SIGCSE 2017
- Demo Review, ACM SIGCSE 2017
- Poster Presentation at NSF Noyce Annual Conference, Washington, D.C., July 20-22, 2016
- NSF Review Panel, served on a panel to review proposals, 2016
- Workshop Presentation, PREPARING FUTURE STEM TEACHERS THROUGH NSF ROBERT NOYCE SUMMER INTERNSHIP PROGRAM”, Hawaii International Conference on Education 15th Annual Conference, Honolulu, Hawaii, January 3-6, 2017
- Facilitator, Monday noon Seminar, “What If a Student Asks a Question I Can't Answer?”, Center for Teaching Effectiveness (CTE), August 2015
- Paper Review, 2015 IEEE Frontiers in Education (FIE)
- Editorial Board Member, Journal of Biometrics and its Applications
- Paper Review, IEEE International Conference on Information Science and Applications (ICISA), 2/11/2014-current
- Reviewed 8th Annual Mentoring Conference Proceedings: New Perspectives in Mentoring: A Quest for Leadership Excellence & Innovation, Oct 2015
- Technical Program Committee, 2014 IEEE Frontiers in Education (FIE), 1/2/2014-current
- Founding Member, KASTE (Korean-American Society for Technology Entrepreneurship), 1/6/2014-current
 - Paper Review
- Editorial Board Member, Journal of Biometrics and its Applications, 12/2/2014-current
- Program Committee Member, IEEE International Conference on Information Science and Applications (ICISA), 2/11/2014-current
 - Paper Review
- Program Committee Member, Conference on Information and Computer Technology (CICT), 2014-current
- Chair, Technology work group of HINSTX (Health Information Network of South Texas), February 27, 2013 to Present
- Judge, Science Academy, EDD presentation, April 18, 2014
- Paper review, IEEE Transactions on Reliability, 2014
- Paper Review, Journal of Scientific Research and Reports, 2014
- Paper Review, British Journal of Mathematics & Computer Science (BJMCS), 2014
- Paper Review, International Journal of Interactive Mobile Technologies (IJIM), 2014
- Book review, “Overcoming Challenges in Software Engineering Education: Delivering Non-Technical Knowledge and Skills” edited by Liguu Yu, 2013
- Member, Interface Conference Committee, TAMUK, 2014
- Member, Program Committee for ICITCS, 2013
 - Paper Review
- External Referee, Discovery Grants competition, National Sciences and Engineering Research Council of Canada (NSERC), 2012
- Develop and register the apple university course, Mobile Application Programming, 2011
 - Supported by Apple Computer for resources such as access to sample code and tutorials, software tools and waved programmer memberships for students (\$99/year per person).
 - Allowed by Apple Computer to test developed application on the iPad or iPhone.
- Launch Mobile Application Lab with Mac Desktops and iPads through University College/Office of Title V Programs/PPOHA Internal Equipment Grant, 2011

SERVICE TO UNIVERSITY

- Member, University Technology Advisory Committee (UTAC), 2010 to present
 - Represent College of Engineering
- Member, College of Engineering representative for TAMUK Distinguished Student Award committee to select Distinguished Students (Graduate and Undergraduate) Summer/Fall 2016
- MSSE committee, preparing a new M.S. degree in Software Engineering (SW)
- Attended the weekly meeting and continued to work on course descriptions and proposals
- Prepared a new graduate course (Two of five core courses required for M.S. in SW), Software Maintenance and Reengineering, Software Architecture and Design, proposal will be submitted in the Spring 2016
- Attended the Commencement at Summer 2015
- Attended the TAMUK student organization advisor meeting, Feb 2015
- Attended ABET retreat meeting, Dec 2015
- Attended graduate student award ceremony luncheon meeting, May 2015
- Attended Buy A&M training, Dec 2015
- Attended CSEN advising meeting Dr. Baily, Nov 2015
- Judge, 6th annual Javelina Research Symposium, April 2015
- Judge for Senior Design Conference, May 2015
- Graduate Coordinator for Computer Science Program
- Review applications of CS graduate program candidates
- Develop a Computer Science Degree Plan with Teacher Certificate
- Expand Noyce program to Engineering
- Develop Noyce Scholar Agreement, Application, documents, etc
- Volunteered to serve food for students at the College of Engineering Fall Picnic
- Computer Science graduate students registration, Aug 2015
- Meeting at Graduate School for Computer Science graduate admission criteria, Mar 2015
- Represented CS program and gave presentation at Javelina Preview Day, April 21, 2012
- Attended Graduate Studies Open House , April, 2011
- Attended International Graduate Students Orientation, 2010 - 2013
- Gave presentation for EECS booth at 2011 Annual Engineering Student Design and Research Conference, April 27, 2011
- Attended Hoggie Day, May 2011
- Attended High School Recruitment fair (South Texas Career Expo) for recruitment with post presentation in J. K. Northway Expo Center, Kingsville, April 9, 2010, March 9th, 2012
- Attended Graduate and Professional Fair, 10/18/2010
- Attended Science fair at Moody High School for recruitment with post presentation, 2008
- Attended the Commencement at Spring and Summer, 2008, Spring 2009, Spring, Summer 2010, Spring 2012
- Advised "Computer Science Association (CSA)" , Fall 2011 to present
 - Attended CCDC competition, Texas A&M College Station, March 10-12, 2012
 - Attended CCDC competition, Online, February, 2013
 - CSA received "Because You Care Award" sponsored by Keep Kingsville Beautiful (KKB), October 8, 2012

**SERVICE TO
COLLEGE OF
ENGINEERING**

- Graduate Committee in College of Engineering
- Graduate Coordinator for Computer Science Program
- EECS faculty recruitment committee
- MSSE committee, preparing a new M.S. degree in Software Engineering (SW)
- Attended the weekly meeting and continued to work on course descriptions and proposals
- Prepared a new graduate course (Two of five core courses required for M.S. in SW), Software Maintenance and Reengineering, Software Architecture and Design, proposal will be submitted in the Spring 2016
- Judge, College of Engineering poster competition, April 15, 2014
- Judge, College of Engineering Senior Presentation, April 24, 2014
- Instructor for FE Review (Computers), Spring/Fall 2011, Spring/Fall 2012, Spring 2013
- Judge, College of Engineering Senior Design Conference, April 18, 2012
- Judge, Javelina Research Symposium, 2011
- Attended "Vision-neering the Future" Workshop (July 26, 2011)
- Strategic Planning Committee 2010
- Member, Graduate Committee of College of Engineering, 2010 to present
- Texas Nuclear Workforce Initiative Scholarship Committee, 2010
- Member, Recruitment Committee of Electrical Engineering and Computer Science Department, 2008 to present
- Extension Agent for Engineering Equity Extension Service (EEES), 2008
- Advisor, SWE, Society of Women Engineers, 2008 – 2009
 - Support with External Fund (EEES Project)

**SERVICE TO
DEPARTMENT**

- Graduate Coordinator for Computer Science Program, 2010 to Present
 - Review applications of CS graduate program candidates
 - Send welcome email to every scholarship awarded candidates for Spring/Fall 2013
 - Develop and manage CS graduate Facebook
- Member, EECS Tenure & Promotion Committee
- Computer Science Degree with Teacher Certificate Proposal Developed, Submitted, and Approved
- Actively engaged in preparing ABET accreditation for CS undergraduate program
- Assisted ABET coordinator(s) to prepare reports, relevant documents, and advisory board meetings
- Participated in CS computer classrooms and lab tours for ABET evaluators
- Developed a undergraduate Mobile Application Development Certificate with Ms. Yang and Dr. Hicks – Proposal submitted
- Developed a new undergraduate course, iOS Application Development - Proposal submitted and approved by the University Curriculum Committee
- Engaged in preparing a new M.S. degree in Software Engineering (SW)
- Attended the weekly meeting and continued to work on course descriptions and proposals
- Prepared new graduate courses (Two of five core courses required for M.S. in SW), Software Maintenance and Reengineering, Software Architecture and Design: proposal will be submitted in the Spring 2016
- EECS graduate curriculum committee
- Member, EECS Scholarship Committee, Fall 2012
- Member (Secretary), EECS Graduate Curriculum Committee, Fall 2012 to Present
- Member, CS ABET/SACS and IEP Advisory Committee, Fall 2012 to Present
- Revise computer science undergraduate curriculum, 2010
- Program Administrator, MSDN Academic Alliance Software Center, 2008
- Webmaster, Electrical Engineering and Computer Science Department, 2008
- Member, New Faculty Search Committee, 2010

**M.S. THESIS
ADVISER**

- Sushanth Manakhari, "Automated Test Case Generation to overcome 'Pesticide Paradox' for Integrated Testing in Object Oriented Programming", May 2016
- Marepalli Dhanunjaya Bhargavan, "EVALUATION OF LEARNING TEST DRIVEN DEVELOPMENT USING CODING DOJO IN A UNIVERSITY ENVIRONMENT", Dec 2015
- Md. Nahid Rahman, "COLLAPSIBLE TABULAR VISUALIZATION OF ASPECTS IN OBJECT ORIENTED PROGRAMMING", Dec 2015
- Aritra Ghosh, "ENHANCING QUALITY OF CODE CLONE DETECTION ON JAVA BYTE CODE", Dec 2015
- Md. Naim Hossain, "Tabular Visualization of Aspects in Object Oriented Programming", August 2015
- Nadipineni Narendranadh, "Automation of Plagiarism Detection Tool", May 2015
- Sasikanth Dale, "Analyzing Novice Programmer's Activity Using Face Expression", May 2014
- Ramya Gujja, "Metrics and Software Evolution", May 2014
- Prajjwal Gupta, "Authorship in Pair Programming using version control and face recognition", May 2014
- Pardha Koyya, "Automation of Programming Assignment Grading: Using Software-metrics and Reference Code", December 2013
- Govind Gupta, "Mobile Map API Wrapper for Evacuation Routing", December 2013
- Pranay Kumar Sevela (Awarded outstanding graduate student of COE), "Determining the Barriers Faced by Novice Programmers", May 2013
- Sireesha Maddhela, "A Prototype Query-by-Humming Database System for Indian Classical Music", December 2011
- HyungJun Yoo, "Programming in spreadsheet use of cell block as an indent space in python", July 2010
- Arun Bakshi, "Secured wireless routing protocol for mobile ad hoc network," December 2010
- Avinash Saxena, "Performance testing of cloud based deployed GIS system", December 2010
- TaegHyun Kang, "Task-Based Visualization for Software Maintenance" August, 2009
- Victoria Christy Sathya Rajasekar, "Integrated Multimedia Interface for the Visually Challenged" August, 2009

STUDENT ADVISEMENT

- Texas A&M University System 12th Annual Pathways Student Research Symposium, October 22-23, 2015
 - Swetha Murthy and Sai Kiran, "Web-Based Interactive Programming Environment using Static and Dynamic Visualization,"
 - Dhanunjaya Bhargavan Marepalli, "Evaluating Test-Driven Development Through Object-Oriented Metrics"
 - Md. Nahid Rahman, "Collapsible Visualization of Aspects in Object-Oriented Programming"
- College of Engineering Graduate poster competition advised (Fall 2014 - Spring 2015)
 - (Awarded) Swetha Murthy, Sai Kiran Bramahadandi, Jeong Yang, and Young Lee, "Web IDE for Noyce Programmers"
- College of Engineering Graduate poster competition advised (Fall 2013 - Spring 2014)
 - Sasikanth Dale, Young Lee, "A Study of Detecting the Adversities faced by the Novice Programmers in java Language using Face Recording"
 - Ketul Shah, Aritra Ghosh, Md. naim Hossain, Young Lee, "Virtual Lab technology for enhancing engineering education"
 - Aritra Ghosh, Wei-Da Hao, Mais Nijim, Young Lee, "Virtual Reality for pipeline safety Training"
- Undergraduate senior design project team advised (Fall 2013 - Spring 2014)
 - Gaylon Taylor, Jaleal Butler, "Retina Image for Diabetes"
- Sasikanth Dale, "A study of Detecting the adversities Faced by the Novice Programmers in Java Language using Facial Expression", 11th Pathways, Master's Poster Presentation, 2013
- Daniel Clancy, "Design and Construction of s Robust Public Access Computer System", Javelina Research Symposium, 2010
- **(Awarded First place at Master Students)**, Keyur Jadhav and Preethi Lodha, "Schematizing Maps", Texas A&M Pathway, 2010
- Hyung-Joon Yoo, "Unifeied indent style with colored blocks for Python using Spreadsheet", Texas A&M Pathway, 2009
- Joseph Brysch, "Simple Java", Texas A&M Pathway, November, 2009
- Taeg-Hyun Kang, "Task-Based Visualization for Software Maintenance", Texas A&M Pathway, 2008
- Sarin Kizhakkepuravil, Texas A&M Pathway, "Healthcare Mobile Network Application", Texas A&M Pathway, 2008
- **(Awarded First Place at Master Students)** Victoria Christy Sathya Rajasekar, "Integrated Multimedia Interface for the Visually Challenged", Texas A&M Pathway, 2008

Professional honors received

- Sponsored Research Merit and Compliance Award (SRMCA)