

# YU SUN, Ph.D.

Assistant Professor  
Computer Science Department  
California State Polytechnic University, Pomona

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## EDUCATION

### University of Alabama at Birmingham

Ph.D. in Computer Science

Birmingham, AL

December 2011

Major Field of Study: Software Engineering

Thesis: *Model Transformation By Demonstration: An End-User Centric Approach to Support Model Evolution*

Committee: Dr. Jeff Gray (Advisor), Dr. Barrett Bryant, Dr. Jules White,  
Dr. Marjan Mernik, Dr. Purushotham Bangalore, Dr. Chengcui Zhang

### University of Alabama at Birmingham

M.S. in Computer Science

Birmingham, AL

May 2009

### Zhengzhou University

B.S. in Computer Science

Zhengzhou, China

May 2007

## PUBLICATIONS

### Refereed Journals

1. **Yu Sun**, Jules White, Sean Eade, and Douglas C. Schmidt, “ROAR: A QoS-Oriented Modeling Framework for Automated Cloud Resource Allocation and Optimization,” *Journal of Systems and Software*, 2015 (accepted for publication)
2. Max Robert, **Yu Sun**, Thomas Goodwin, Hamilton Turner, Jeff Reed, and Jules White, “Software Frameworks for SDR,” *Proceedings of IEEE*, vol.103, no.3, pp. 452-475, March 2015, doi: 10.1109/JPROC.2015.2391176
3. **Yu Sun**, Jeff Gray, and Jules White, “A Demonstration-based Model Transformation Approach to Automate Model Scalability,” *Journal of Software and Systems Modeling*, DOI: 10.1007/s10270-013-0374-0, 2013.
4. **Yu Sun**, Jeff Gray, Romain Delamare, and Benoit Baudry, “Automating the Management of Non-functional System Properties using Demonstration-based Model Transformation,” *Journal of Software: Evolution and Process*, DOI: 10.1002/smr.1606, vol. 25, no. 12, 2013, pp. 1335-1356.
5. Zekai Demirezen, **Yu Sun**, Jeff Gray, and Frédéric Jouault, “Enabling Tool Reuse and Interoperability through Model-Driven Engineering,” *Journal of Computational Methods in Science and Engineering (JCMSE)*, vol. 10, no. 2, September 2010, pp. 187-202.

6. **Yu Sun**, Jules White, Bo Li, Michael Walker, and Hamilton Turner, “Automated QoS-Oriented Cloud Resource Optimization using Containers,” *Automated Software Engineering (Special Issue on Automation in Software Performance Engineering)*, 2014 (Under review)
7. Hyojoon Bae, Michael Walker, Jules White, Yao Pan, **Yu Sun**, and Mani Golparvar-Fard, “Fast and Scalable Structure-from-Motion based Localization for High-precision Mobile Augmented Reality Systems,” *IEEE Transactions On Mobile Computing*, 2014 (Under review)

### Book Chapters

8. **Yu Sun**, Jeff Gray, Gerti Kappel, Philip Langer, Manuel Wimmer, and Jules White, “A WYSIWYG Approach to Support Layout Configuration in Model Evolutions,” *Emerging Technologies for the Evolution and Maintenance of Software Models*, edited by Jörg Rech and Christian Bunse, Idea Group, ISBN: 978-1-61350-438-3/2012, 2012, Chapter 4, pp. 92-120.
9. **Yu Sun**, Jules White, Jeff Gray, and Aniruddha Gokhale, “Model-Driven Automated Error Recovery in Cloud Computing,” *Model-driven Analysis and Software Development: Architectures and Functions*, edited by Janis Osis and Erika Asnina, Idea Group, ISBN: 978-161692-874-2, 2011, Chapter 7, pp. 136-155.

### Refereed Conference Papers

10. Yao Pan, Jules White, **Yu Sun**, and Jeff Gray, “Gray Computing: Assessing the Potential of Distributed Data Processing in Web Browsers”, *International Conference on Software Engineering (ICSE)*, Florence, Italy, May 2015. (18% Acceptance Rate)
11. **Yu Sun**, Hyojoon Bae, Sukanya Manna, Jules White and Mani Golparvar-Fard, “Bridging Semantics with Physical Objects using Augmented Reality”, *IEEE International Conference on Semantic Computing (ICSC)*, Anaheim, CA, February 2015.
12. **Yu Sun**, Jules White, and Sean Eade, “A Model-Based System to Automate Cloud Resource Allocation and Optimization”, *International Conference on Model Driven Engineering Languages and Systems (MoDELS)*, Valencia, Spain, October 2014, pp. 18-34.
13. **Yu Sun** and Jeff Gray, “Model Transformation By Demonstration Debugger: End-User Support for Debugging Model Transformation Execution”, *European Conference on Modeling Foundations and Applications (ECMFA)*, Springer-Verlag LNCS 7949, Montpellier, France, July 2013, pp. 86-100. (23% Acceptance Rate)
14. **Yu Sun**, Jeff Gray, Karlheinz Bulheller, and Nicolaus Von Baillou, “A Model-Driven Approach to Support Engineering Changes in Industrial Robotics Software”, *International Conference on Model Driven Engineering Languages and Systems (MoDELS)*, Springer-Verlag LNCS 7590, Innsbruck, Austria, October 2012, pp. 368-382. (23% Acceptance Rate)
15. Xianjun Sam Zheng, Stefan Christov, **Yu Sun**, and Xiping Song, “UWoN (User Workflow Notation): A Visualization Tool for User Workflow Analysis and Modeling for Developing Healthcare IT,” *International Symposium on Human Factors and Ergonomics in Health Care: Bridging the Gap*, Baltimore, MD, March 2012.
16. **Yu Sun**, Jeff Gray, Christoph Wienands, Michael Golm, and Jules White, “A Demonstration-based Approach to Support Live Transformations in a Model Editor,” *International Conference on Model Transformation (ICMT)*, Springer-Verlag LNCS 6707, Zurich, Switzerland, June 2011, pp. 213-227. (21% Acceptance Rate)
17. Feroosh Jacob, **Yu Sun**, Jeff Gray, and Puri Bangalore, “A Platform-Independent Tool for Modeling Parallel Programs,” *ACM Southeast Conference*, Kennesaw, GA, March 2011, pp. 138-143.

18. **Yu Sun**, Christoph Wienands, and Meik Felser, “Applying Model-Driven Design and Development to Distributed Time-Triggered Systems,” *International Conference on Engineering and Meta-Engineering (ICEME)*, Orlando, FL, March 2011.
19. **Yu Sun**, Jules White, and Jeff Gray, “Model Transformation by Demonstration,” *International Conference on Model Driven Engineering Languages and Systems (MoDELS)*, Springer-Verlag LNCS 5795, Denver, CO, October 2009, pp. 712-726. (18% Acceptance Rate)
20. Zekai Demirezen, **Yu Sun**, Jeff Gray, and Frederic Jouault, “Supporting Tool Reuse with Model Transformation,” *International Conference on Software and Data Engineering (SEDE)*, Las Vegas, NV, June 2009, pp. 119-125.
21. **Yu Sun**, Zekai Demirezen, Frédéric Jouault, Robert Tairas, and Jeff Gray, “A Model Engineering Approach to Tool Interoperability,” *International Conference on Software Language Engineering (SLE)*, Springer-Verlag LNCS 5452, Toulouse, France, September 2008, pp. 178-187.
22. Ritu Arora, **Yu Sun**, Zekai Demirezen, and Jeff Gray, “Profiler Instrumentation Using Metaprogramming Techniques,” *ACM Southeast Conference*, Auburn, AL, March 2008.

### Refereed Workshop Papers

23. Hyun Cho, Jeff Gray, and **Yu Sun**, “Quality-Aware Academic Research Tool Development,” *International Workshop on Software Quality and Management (SQAM)*, held at the Asia-Pacific Software Engineering Conference (APSEC), Hong Kong, December 2012.
24. **Yu Sun**, Hyun Cho, Jeff Gray, and Jules White, “Assisting Feature Model Configuration Knowledge Reuse using Demonstration-based Model Transformation,” *Workshop on Product Line Approaches in Software Engineering (PLEASE)*, held at ICSE 2011, Honolulu, HI, May 2011.
25. Hyun Cho, **Yu Sun**, Jules White, and Jeff Gray, “Key Challenges for Modeling Language Creation By Demonstration,” *Workshop on Flexible Modeling Tools*, held at International Conference on Software Engineering 2011, Honolulu, HI, May 2011.
26. **Yu Sun**, Jeff Gray, Philip Langer, Manuel Wimmer, and Jules White, “A WYSIWYG Approach for Configuring Model Layout using Model Transformations,” *10th Workshop on Domain-Specific Modeling (DSM)*, held at SPLASH 2010, Reno, NV, October 2010.
27. **Yu Sun**, Jeff Gray, and Jules White, “MT-Scribe: A Flexible Tool to Support Model Evolution,” *Workshop on Flexible Modeling Tools (FlexiTools)*, held at SPLASH 2010, Reno, NV, October 2010.
28. **Yu Sun**, Zekai Demirezen, Marjan Mernik, Jeff Gray, and Barrett Bryant, “Is My DSL a Modeling or Programming Language?” *Workshop on Domain-Specific Program Development (DSPD)*, held at *International Conference on Generative Programming and Component Engineering (GPCE)*, Nashville, TN, October 2008.
29. **Yu Sun**, Zekai Demirezen, Tomaz Lukman, Marjan Mernik, and Jeff Gray, “Model Transformations Require Formal Semantics,” *Workshop on Domain-Specific Program Development (DSPD)*, held at *International Conference on Generative Programming and Component Engineering (GPCE)*, Nashville, TN, October 2008.

### Doctoral Symposia

30. **Yu Sun**, “Model Transformation by Demonstration,” *Doctoral Symposium, International Conference on Object-Oriented Programming, Systems, Languages and Applications (OOPSLA)*, Orlando, FL, October 2009.
31. **Yu Sun**, “Model Transformation by Demonstration,” *Doctoral Symposium, International Conference on Model Driven Engineering Languages and Systems (MoDELS)*, Denver, CO, October 2009.

## Tool Demonstrations

- 32. **Yu Sun**, Jeff Gray, and Jules White, “MT-Scribe: An End-User Approach to Automate Software Model Evolution,” *Tool Demonstration, International Conference on Software Engineering (ICSE)*, Honolulu, HI, May 2011.
- 33. **Yu Sun**, Jules White, and Jeff Gray, “MT-Scribe: A Tool for Recording and Inferring Model Transformations,” *Tool Demonstration, International Conference on Object-Oriented Programming, Systems, Languages and Applications (OOPSLA)*, Orlando, FL, October 2009.

## Posters

- 34. **Yu Sun**, “An End-User Demonstration Approach to Support Aspect-Oriented Modeling,” *Student Research Competition, International Conference on Software Engineering (ICSE)*, Honolulu, HI, May 2011. (Top 5 Finalist in ACM SIGSOFT Student Research Competition, 2011)
- 35. **Yu Sun**, “Model Scalability Using a Model Recording and Inference Engine,” *Students Research Competition, International Conference on Object-Oriented Programming, Systems, Languages and Applications (SPLASH/OOPSLA)*, Reno, NV, October 2010.
- 36. **Yu Sun**, “Supporting Model Evolution through Demonstration-based Model Transformation,” *Students Research Competition, International Conference on Object-Oriented Programming, Systems, Languages and Applications (OOPSLA)*, Orlando, FL, October 2009. (Top 5 Finalist in ACM SIGPLAN Student Research Competition, 2009)

## Ph.D. Dissertation

- 37. **Yu Sun**, “Model Transformation By Demonstration: An End-User Centric Approach to Support Model Evolution,” *Ph.D. Dissertation*, Department of Computer and Information Sciences, the University of Alabama at Birmingham, Birmingham, AL, December 2011.

## Abstracts

- 38. **Yu Sun**, Jeff Gray, Barrett Bryant, “Supporting Aspect-Oriented Modeling through a Demonstration-based Model Transformation Approach,” *88th Annual Meeting of the Alabama Academy of Science*, Jacksonville, AL, March 2011. (Best Student Paper Award)
- 39. **Yu Sun**, “An End-User Demonstration Approach to Support Aspect-Oriented Modeling,” *UAB Graduate Student Research Days*, Birmingham, AL, February 2011.
- 40. **Yu Sun**, “A Demonstration-based Model Transformation Approach to Support Model Scalability,” *UAB Graduate Student Research Days*, Birmingham, AL, February 2010.
- 41. **Yu Sun**, “Demonstration-based Inference of Model Transformations,” *ACM Mid-Southeast Conference*, Gatlinburg, TN, November 2009.
- 42. **Yu Sun**, “Model Transformation by Demonstration,” *UAB Graduate Student Research Days*, Birmingham, AL, February 2009.
- 43. **Yu Sun**, “Homogenizing Tool-specific Formats using Model Transformations,” *UAB Graduate Student Research Days*, Birmingham, AL, February 2008.

## WORK EXPERIENCES

**California State Polytechnic University, Pomona**  
**Computer Science Department**

*Assistant Professor*

Pomona, CA  
September 2014 – Present

**Ziiio Inc.**

*Co-Founder*

Nashville, TN  
August 2014 – Present

**Vanderbilt University**

*Post-Doc Research Associate*

Nashville, TN  
February 2014 – August 2014

**PAR Works Inc.**

*Director of Engineering*

Nashville, TN  
November 2012 – January 2014

**Amazon.com**

**Amazon Web Services (AWS)**

**Amazon Silk & Kindle Fire**

*Software Development Engineer*

Seattle, WA  
December 2011 – November 2012

**Amazon.com**

**Amazon Web Services (AWS)**

**CloudFront & Route 53**

*Software Development Engineer Intern*

Seattle, WA  
June 2011 – August 2011

**Siemens Corporate Research**

**Department of Software & Systems Engineering Technologies**

*Research Intern*

Princeton, NJ  
March 2010 – August 2010

**University of Alabama**

**Department of Computer Science**

*Visiting Scholar*

Tuscaloosa, AL  
September 2010 – May 2011

**University of Alabama at Birmingham**

**Department of Computer and Information Sciences**

*Research Assistant*

Birmingham, AL  
August 2007 – present

## AWARDS AND HONORS

### Competition Awards

- **Consumer Electronic Show (CES)** Innovation Award for PAR Works (2013)
- Technical Achievement Finalist at **SXSW** for PAR Works (2013)
- Accelerator Award Finalist at **SXSW** for PAR Works (2013)
- US People's Choice Award, Software Design Competition, **Microsoft Imagine Cup** (2009)

Project: PDADoctor

- US Top 15 Finalist, Software Design Competition, **Microsoft Imagine Cup** (2009)  
Project: PDADoctor
- Finalist in **Alabama Launchpad** (2011)  
Project: Automax  
Collaborated with Bulheller Consulting Inc. and University of Alabama
- Best Student Paper Award in **88th Annual Meeting of the Alabama Academy of Science** (2011)  
Paper: Supporting Aspect-Oriented Modeling through a Demonstration-based Model Transformation Approach
- Top 5 Finalist in **ACM SIGSOFT Student Research Competition** (2011)  
*International Conference on Software Engineering (ICSE)*  
Project: An End-User Demonstration Approach to Support Aspect-Oriented Modeling
- Top 5 Finalist in **ACM SIGPLAN Student Research Competition** (2009)  
*International Conference on Object-Oriented Programming, Systems, Languages and Applications (OOPSLA)*  
Project: Supporting Model Evolution Through Demonstration-based Model Transformation
- 3rd place in **ACM Mid-Southeast Conference Student Paper Competition** (2009)  
Paper: Demonstration-based Inference of Model Transformations
- 3rd place in **BearingPoint Annual Intercollegiate Programming Competition** (2008)  
With team members: Yu Chang and Walker Haddock
- 3rd place in **ACM Southeast USA Regional Programming Contest** (2007)  
With team members: Yu Chang and Walker Haddock

### Travel Grants

- From ACM SIGCSE to attend SIGCSE Symposium (2014)
- From ACM SIGSOFT CAPS to attend ICSE (2011)
- From ACM SIGSOFT to attend ICSE Student Research Competition (2011)
- From Alabama Academy of Science (AAS) to attend 88th Annual AAS Meeting (2011)
- From ACM SIGPLAN to attend SPLASH/OOPSLA Student Research Competition (2010)
- From ACM SIGSOFT CAPS to attend MODELS (2009)
- From ACM SIGPLAN to attend OOPSLA Student Research Competition (2009)
- From UAB GSA to attend OOPSLA (2009, 2008)

### Graduate Awards

- Passed Ph.D. Level 1 Qualifying Exam “With Distinction” (2009)
- 2nd place in the Mathematics and Computer and Information Sciences session at the UAB Graduate Student Research Days (2008)

### Undergraduate Awards

- GPA Ranking 1st in Computer Science Major Award (2007)
- Excellent Student Scholarship (2003 – 2007)
- Honor Student (2004 – 2007)
- Excellent Student Leader Award (2004- 2007)

## PATENTS

- Provisional patent application. *UWoN (User Workflow Notation): A Formal Workflow-driven Approach for Interactive System Design*. (09/24/2010) File No. 61/386,048 (2010P19859 US).

## INVITED TALKS

- Amazon Silk brown bag seminar, Seattle, WA, “Introduction to Model-Driven Engineering”, August, 2012
- Siemens Corporate Research, Princeton, NJ, “A Practical Perspective on Domain-Specific Modeling - The Good, the Bad, and the Cautious,” September, 2011
- Tsinghua University, Beijing, China, “Domain-Specific Modeling and Model Transformation By Demonstration,” May, 2011

## PROFESSIONAL ACTIVITIES

### Reviewer-Journals

- Automated Software Engineering Journal (2014)
- Computer Languages, Systems & Structures (2014)
- IEEE Software (2013)
- Proceedings of the IEEE (2013)
- Journal of Software and Systems Modeling (2011, 2010)
- Journal of Systems and Software (2011)

### Reviewer-Books

- Emerging Technologies for the Evolution and Maintenance of Software Models, Idea Group (2011)
- Model-driven Analysis and Software Development: Architectures and Functions, Idea Group (2009)

### Reviewer-Conferences

- International Conference on Software Engineering (2015)
- ACM SIGCHI Symposium on Engineering Interactive Computing Systems (2015)
- International Conference on Model Driven Engineering Languages and Systems (2015, 2014, 2012, 2011, 2010, 2009)
- International Joint Conference on Software Technologies (2014)
- International Conference on Objects, Models, Components, and Patterns (2011, 2010, 2009)
- International Conference on Object-oriented Programming, System, Languages, and Applications (2011, 2008)
- Onward at SPLASH (2010)
- International Conference on Software Composition (2010)
- International Conference on Generative Programming and Component Engineering (2015, 2010)
- International Conference on Aspect-oriented Software Development (2010, 2009, 2008)
- International Conference on Software Language Engineering (2013, 2010, 2008)

- International Conference on Service Oriented Computing (2009)
- IFIP Working Conference on Domain Specific Languages (2009)
- European Conference on Model-Driven Architecture (2008)
- ACM Southeast Conference (2008)

### **External Committees**

- Publicity Chair  
*Software Product Line Conference (2015)*
- Program Committee  
*The 19th International Software Product Line Conference (2015)*
- Program Committee  
*MobileDeLi Workshop: Mobile Development Lifecycle (2015)*
- Program Committee  
*Workshop on Modeling in Software Engineering at International Conference on Software Engineering (2015)*
- Program Committee  
*The 13th IEEE International Conference on Embedded and Ubiquitous Computing (2015)*
- Program Committee  
*The 2015 Thailand Workshop on Software Engineering at The Tenth International Conference on Knowledge, Information and Creativity Support Systems (2015)*
- Program Committee  
*Workshop on Domain-Specific Modeling at ACM SIGPLAN Conference on Systems, Programming, Languages and Applications: Software for Humanity (2015)*
- Program Committee  
*Workshop on Domain-Specific Modeling at ACM SIGPLAN Conference on Systems, Programming, Languages and Applications: Software for Humanity (2014)*

### **Service**

- Student Volunteer  
*International Conference on Object-Oriented Programming, Systems, Languages, and Applications (2010, 2009, 2008)*
- Senator  
*Graduate Student Association, University of Alabama at Birmingham (2009 – 2011)*

### **Conferences / Meetings Attended**

- International Conference on Semantic Computing (2015)
- ACM Technical Symposium on Computer Science Education (SIGCSE) (2015)
- International Software Product Line Conference (2015)
- CSU Symposium on University Teaching (2015)
- SoCal PKAL Meeting (2015)
- SoCal Innovation Forum (2015)
- International Conference on Model Driven Engineering Languages and Systems (2014, 2009)
- European Conference on Modeling Foundations and Applications (2013)
- European Conference on Object-Oriented Programming (2013)
- Augmented World Expo (2013)
- South by Southwest (2013)



- Consumer Electronics Show (2013)
- International Conference on Software Engineering (2011)
- International Conference on Object-oriented Programming, System, Languages, and Applications (2010, 2009, 2008)
- International Symposium on the Foundations of Software Engineering (2010)
- International Workshop on Domain-Specific Program Development (2008)
- International Workshop on Domain-Specific Modeling (2010, 2009, 2008)
- Alabama Academy of Science Annual Meeting (2011)
- International Conference on Software Engineering Language (2009)
- International Conference on Generative Programming and Component Engineering (2009, 2008)
- ACM Mid-Southeast Conference (2009)
- ACM Southeast Conference (2008)

## ACADEMIC SERVICES

### Student Advising

#### *Master Project/Thesis Advisor*

- Zheng Lu (2014 – present)
- Xun Xu (2014 – present)
- Roshan Rathod (2014 – present)
- Steven Parkin (2015 – present)
- Yiming Shan (2015 – present)
- Jonathan Johannsen (2015 – present)
- Abdulwahed Alharbi (2015 – present)
- Sean Chen (2015 – present)
- Ana Nenova (2015 – present)
- Keerthana Chilukuri (2015 – present)

#### *Master Project/Thesis Co-Advisor*

- Kwang Jun (2014 – 2015)
- Tyson Phillips (2014 – 2015)
- Minfeng Chen (2014 – 2015)

#### *Undergraduate Research Mentor*

- David Luong (2014 – present)
- Jenifer Wang (2014 – 2015)
- Ankur Oswal (2014 – 2015)

#### *High School Student Mentor*

- Victor Sui (2014 – 2015)

### University Service

- Search Committee  
*Faculty Director of Student Innovation/Entrepreneurship* (2014 – 2015)
- Judge  
*HackPoly* (2015)
- Judge  
*Bronco Startup Challenge* (2015)

### Computer Science Department Service

- Graduate Committee (2014 – present)
- Laboratory Committee (2014 – present)
- Scholarship Committee (2014 – present)
- Assessment Committee (2014 – present)

## TEACHING EXPERIENCES

### Course Instructor

- CS480                      Software Engineering (Fall 2015, Winter 2015)
- CS499                      Mobile Application Development (Spring 2015)
- CS240                      Data Structures and Algorithms I (Fall 2015, Spring 2015)
- CS585                      Software Verification and Validation (Winter 2015)
- CS356                      Object-Oriented Design and Programming (Summer 2015, Fall 2014)
- CS580                      Advanced Software Engineering (Fall 2014)

### Teaching Assistant

- CS501/401                  Programming Languages (Spring 2010)
- CS620/720                  Advanced Topics on Software Engineering (Spring 2009)
- CS622/722                  Advanced Topics on Reflective and Adaptive Systems (Fall 2008)
- CS303                      Algorithms and Data Structures (Spring 2008)
- CS201                      Introduction to Object-Oriented Programming (Spring 2008)
- CS410/510                  Database Systems I (Fall 2007)
- CS435/535                  Network Programming (Fall 2007)
- CS101                      Fluency With Information Technology (Fall 2007)

## EDUCATION OUTREACH

- **Alabama Robotics Competition**  
(April 2, 2011)  
Position: Competition Judge
- **Blazer BEST Robotics Competition**  
(October 11, 2008)  
Position: Website Judge, Scorekeeper
- **UAB High School Programming Competition**

(2008, 2009, 2010)

Position: Grader, Event coordinator

- **Alice Film Festival**

(2008, 2009)

Position: Event coordinator

## FUNDING

- Co-PI (Sub-award). National Institutes of Health (NIH) DP3 DK097706, “Using Social Learning to Improve Adolescent Diabetes Adherence Problem Solving”, \$9,703 (2015)
- PI. California State Polytechnic University, Pomona: Special Projects for Improving the Classroom Environment (SPICE), “A Web-Based Classroom Response System using Mobile Devices”, \$17,048 (2015)
- PI. Citrus College/Cal Poly Pomona Summer Research Experience, “Automating Context-Aware Information Retrieval and Notification for Mobile Platforms”, \$3,000 (2015)
- PI. California State Polytechnic University, Pomona: Research Scholarship, and Creative Activity (RSCA), “A QoS-Oriented Automation Framework for Cloud Resource Allocation and Optimization”, \$5,000 (2014)
- PI. California State Polytechnic University, Pomona: Faculty Mini-Grant Program, “A Context Aware Mobile Information Notification System for Campus Environment”, \$1,000 (2014)

## PROFESSIONAL MEMEBERSHIPS

- Association for Computing Machinery (ACM)
- ACM SIGSOFT (Special Interest Group on Software Engineering)
- ACM SIGCSE (Special Interest Group on Computer Science Education)
- IEEE Computer Society

## CERTIFICATE

- Sun Certified Web Component Developer (SCWCD, score: 97%) October 2010
- Sun Certified Java Developer (SCJD) August 2010
- Sun Certified Java Programmer (SCJP, score: 98%) December 2006
- National Software Engineer Certificate June 2006  
Issued by Ministry of Industry and Information Technology of China
- National Programmer Certificate June 2005  
Issued by Ministry of Industry and Information Technology of China

## TELEVISION / NEWSPAPER INTERVIEWS

- “UAB Students Invent ‘PDA Doctor’,” FOX 6, Birmingham, AL, April 26, 2009, 9pm Evening News.
- “University of Alabama at Birmingham Team Created Diagnostic Software for Handheld Computers to Aid Doctors,” Birmingham News, April 22, 2009

- “UAB Wins the People’s Choice Award at Microsoft’s Imagine Cup,” UAB News, June 8, 2009