

## Dr. Jeff (Yong) Zhang

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### Education

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**Doctor of Education**, July 2002

Ball State University, Muncie, Indiana

Major: Adult, Higher and Community Education

**Cognate: Computer Science**

Dissertation: “Designing and Implementing a Student Online Project Planning and Tracking System and Students and Faculty Evaluation of the SOPPTS Software,” Ball State University Library, 2002.

Master of Science, July 1998

Ball State University, Muncie, Indiana

Major: **Computer Science**

Master of Arts, July 1995

Ball State University, Muncie, Indiana

Major: **Physical Education**

Bachelor of Education, June 1986

Shanxi Normal University, Xian, P.R. China

Major: **School Education**

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### Publications

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#### Refereed Article Publications:

- Zhang, J., Sharma, S. (2017) Teaching Python As A First Programming Course To Undergraduate Computer Science Students, the Proceedings of 2017 International Conference on Education New York. The paper is refereed.
- Sharma, S. K., Qiannong (Chan) Gu, Chen, R., and Zhang, J (2017) Assessing E-learning Readiness of Instructors and Students, the 2017 Annual Midwest Decision Sciences Institute (MWDSI) Conference, April 7-8, 2017, Grand Rapids, Michigan, USA
- Sharma, S. K., Qiannong (Chan) Gu, Chen, R., and Zhang, J (2017) Examining System Usability and Accessibility Design Issues for University websites – An Exploratory Study, the 2017 Annual Midwest Decision Sciences Institute (MWDSI) Conference, April 7-8, 2017, Grand Rapids, Michigan, USA
- Zhang, J., Sharma, S. (2016) TEACHING WEB SERVICES AND SERVICE-ORIENTED ARCHITECTURE (SOA) COURSE IN COMPUTER SCIENCE PROGRAM, the Proceedings of 2016 International Conference on Education Technology (IACB 2016). The paper is refereed.
- Lin, L., He, J., Zhang, Y., and Song, F. (2015) Quality Assurance through Rigorous Software Specification and Testing: A Case Study, the 2015 International Conference on Soft Computing and Software Engineering (SCSE 2015).

- Darisipudi, A., Sharma, S. K., Zhang, J , Harris, T. and Smith, S. (2014) Usability Testing of an Interactive Online Movie Download Service: A HCI Study, *International Journal of E-adoption*, vo(pages 5(4) 48-71.
  - Sharma, S. K., Chen, R., and Zhang, J (2014) Examining Usability of E-learning Systems – An Exploratory Study 4th International Conference on Education, Research and Innovation– ICERI 2014at Bangkok, September 25-26, 2014
- Darisipudi, A., Sharma, S.K., Zhang, J. , Harris, T.(2014) Usability Testing of an Interactive Online Movie Download Service - A HCI Study, ***International Journal of E-adoption*** (Forthcoming)
- Sharma, S.K., Harris, T., Chalupa, M., & Zhang, J. (2014) Are Students and instructors ready for Virtual Learning environments – An Exploratory Study, *The2014 Midwest DSI conference*, Chicago during April 11-13, 2014
  - Sharma, S.K., Harris, T., Kitchens F., & Zhang, J. (2014) Designing Information Systems Curriculum for Undergraduate Program From ACM Model Curriculum And Guidelines The *2014 Midwest DSI conference*, Chicago during April 11-13, 2014
  - Ogunseye, O.S., Folorunso, O. and Zhang, J (2012) Preventing Social Engineering and Espionage in Collaborative Knowledge Management Systems (KMSs) In *Adoption of Virtual Technologies for Business, Educational, and Governmental Advancements*, IGI Global Publications, Information Science Reference, USA, pp. 108 - 116, September 30, 2012, ISBN-10: 1466620536, ISBN-13: 978-1466620537
  - December 2011, Sharma, S.K., Chen, R., and Zhang, J. (2011) E-Adoption and Technologies for Empowering Developing Countries, In *E-Adoption and Technologies for Empowering Developing Countries: Global Advancements*, IGI Global Publications, Information Science Reference, USA, pp. xviii-xxv, ISBN13: 9781466600416, ISBN10: 1466600411, EISBN13: 9781466600423
  - October 2011, Oluwafemi S. Ogunseye, Olusegun Folorunso, Jeff Zhang(2011) Preventing Social Engineering and Espionage in Collaborative Knowledge Management Systems (KMSs), *International Journal of E-Adoption (IJEa)*, 3(4), 44-51
  - November 2011, Sharma, S. K., Zhang, J. and Ahmed, N. (2011). Examining the Learning and Teaching Styles of E-learning, 42nd Annual Conference DSI 2011, Boston, USA, November 19-22, 2011
  - May 2011, co-author, a paper titled “Communities of Practice and Virtual Learning Communities – An Exploratory Study”, has been accepted for the proceedings of the Midwest Association for Information Systems Conference in Omaha, Nebraska on May 20-21<sup>st</sup>, 2011.
  - June 2008, co-author, a paper titled “ASSESSING STUDENTS’ PERCEPTIONS OF THEIR WEB BASED ASYNCHRONOUS LEARNING”, has been accepted for the proceedings of the 9<sup>th</sup> Annual Global Information Technology Management (GITM) World Conference on June 22, 23, & 24, 2008 in Atlanta.

- June 2008, co-author, a paper titled “Examining Indian E-government Websites for Usability”, has been accepted for the proceedings of the 9<sup>th</sup> Annual Global Information Technology Management (GITM) World Conference on June 22, 23, & 24, 2008 in Atlanta.
- May 2007, co-author, published a paper in the Proceedings of the International Academy of Business and Public Administration Disciplines (IABPAD) Conference. The paper is titled “Investigating Social Relationships among Virtual Community Members”
- June 2006, co-author, published a paper in the Journal of Applied Sciences, 6(10): 2224-2230. The paper is titled "Factors Affecting the Adoption of E-Commerce: A Study in Nigeria".
- July 2005, co-author, published a paper in the Proceedings of the International Conference on Digital Environments. The paper is titled “Knowledge Divides and Social Exclusion in USA, India and China”. The paper is refereed.
- March 2003, co-author, “Improving Project Planning/Tracking for Student Software Engineering Projects through SOPPTS,” The Proceedings of 16th International Conference on Software Engineering Education and Training. The paper is refereed.
- July 2002, my dissertation: “Designing and Implementing a Student Online Project Planning and Tracking System and Students and Faculty Evaluation of the SOPPTS Software,” Ball State University Library, 2002.

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## Workshops and Presentations

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- November 2011, Sharma, S. K., Zhang, J. and Ahmed, N. (2011). Examining the Learning and Teaching Styles of E-learning, 42nd Annual Conference DSI 2011, Boston, USA, November 19-22, 2011
- June 2008, co-author, a paper titled “ASSESSING STUDENTS’ PERCEPTIONS OF THEIR WEB BASED ASYNCHRONOUS LEARNING”, has been accepted for the presentation at the 9<sup>th</sup> Annual Global Information Technology Management (GITM) World Conference on June 22, 23, & 24, 2008 in Atlanta.
- 5/2007, gave a presentation, titled “Investigating Social Relationships among Virtual Community Members” at the International Academy of Business and Public Administration Disciplines (IABPAD) Conference, **May 3-6, 2007**, in Dallas, Texas.
- 12/2005, gave a presentation, titled “Web Services for Personalized Web-based Learning,” at Organizations and Society in Information Systems (OASIS) 2005 Workshop, Las Vegas.
- 11/2004, gave a presentation, titled “XML Web Services and Applications- BSU Course Contents,” at the Department Computer Science Colloquium at Ball State University.
- 03/2003: “Improving Project Planning/Tracking for Student Software Engineering Projects through SOPPTS, ”at the 16th International Conference on Software Engineering Education and Training in Madrid, Spain from March 20 to 22, 2003.
- 06/2001: “SERC Showcase,” West Virginia University: “Student Online Project Planning and Tracking Software” at Poster Session.

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## University Teaching Experience

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8/1999 to May 2018: Assistant Professor

The Department of Computer Science, Ball State University, Muncie, Indiana

Courses taught at Ball State University during 1999 to 2017:

CS120 (C++, Java and Python), CS121 (Data Structure in Java), CS 124 (Discrete Structures), CS230 (Computer Organization and Architecture), CS 345/545 (Human-Computer Interaction), CS104 (Microcomputer), CS110 (Computer Programming 1), CS116 (Visual programming), CS233 (Computer System Architecture), CS236 (Database Techniques), CS276 (Operating System), CS230 (Assembler Language Programming), CS340/540 (Data Possessing Techniques) and CS299/310 (Web Programming).

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## Industrial Working Experience

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**2/1999 to 8/1999: Business Analyst/Database Developer** at Telamon Corporation, Indianapolis, Indiana.

- Designed and maintained company's database by using Microsoft Access, SQL, and Visual Basic

**5/1998 to 2/1999: Programmer/System Analyst** at Thomson Consumer Electronics Company, Indianapolis, Indiana

- Maintained the corporate mainframe systems using COBOL, JCL and VSAM.
- Maintained the Corporate Travel Airline Database system by using Microsoft Access and SQL.

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## Software Development

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UWSM (Using .NET Web Services to Build Teaching Courses Model): Suppose a college was running an online computer class, some Universities around the world would be willing to use this college's Web services as a component for distributing the computer course contents to their own online audience (cyber-students). Those universities would subscribe to this college's Model Web services for their own educational needs. See: <http://localhost/classws/classview.aspx>

SOPPTS (Student Online Project Planning and Tracking System) is a Web-based system that provides project planning and guidance technology to help students plan and track their projects online. SOPPTS three-tier client/server architecture includes user interface, planning/tracking logic, and database access. The Active Server Pages (ASP) technology was used. See: <http://www.cs.bsu.edu/gwen/soppts/Interface/about.asp>

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## Professional Industrial Training Certificates

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1. OS/390 MVS/ESA JCL	Date issued: June 22, 1998 by Techknowledge Corporation
2. ERWIN Logical works (Date base tool)	Date issued: June 22, 1998 by Logical Works, Inc.
3. Business Modeling with BPWIN(Date base tool)	Date issued: June 22, 1998 by Logical Works, Inc.
4. Unix Combo	Date issued: July 24, 1998 by Computer Horizons Corp.
5. Oracle 7 Foundation	Date issued: August 21, 1998 by Profound Consulting
6. Cobol II programming	Date issued: August 28, 1998 by Computer Horizons Corp.
7. Microsoft Access 97	Date issued: November 19, 1998 by ExecuTrain Corp.

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## University Service

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- Fall 2012 to Spring 2015: Member of Computer Science Department Foundation Courses Committee
- Fall 2011 to Fall 2012: Member of Computer Science Department Services Course Committee
- Spring 2006 – 2007: Chair of Computer Science Department Services Course Committee
- Spring 2004 to 2006: Member of Computer Science Department Services Course Committee.
- Spring 2004 to 2006 : Member of Computer Science Department Outreach Committee
- Fall 1999 to Spring 2004: Member of Computer Science Undergraduate Curriculum Committee

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## Related Educational Working Experience

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08/1986 to 07/1993

- Education Coordinator at the Department of Education in the State Sport Commission in China

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## Servicing Award

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- April 2014, received 15 Years Teaching Service Award from the President of Ball State University

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## Teaching Award

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- September 2005, received the Rawlings Outstanding Distance Education Teaching Award from School of Extend Education at Ball State University.

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## References

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Dr. Paul Buis, Chairperson of the Department of Computer Science, Ball State University  
Tel: (765) 285-8641

Dr. Jay Bagga, Professor of the Department Computer Science, Ball State University  
Tel: (765) 285-8665

Dr. Zage, Professor of the Department Computer Science, Ball State University  
Tel: (765) 285-8641

Dr. Sushil Sharma, Associate Dean and Professor of Information Systems, Ball State University  
Tel: (765) 285-5315