

Janell Straach, PhD
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PROFILE

Thirty five years in the IT and education industry, as a System Analyst, Consultant, Manager, Instructor/Developer, Curriculum Architect, Learning Architect, Solution Architect, Program Manager, Principal & Technical Marketing Strategist, and Professor. Teaching experience includes industry and university level classes. Industry experience includes environmental, industrial health, electric utility, and library sciences. University research experience includes Artificial Intelligence and Integration of Intelligent Questioning. Teaching expertise includes Software Architecture, Reverse Engineering, Software Maintenance, Software Engineering, Ethics & Professional Responsibility for Software Engineers, Requirements Engineering, and Software Project Planning & Management. Passionate about increasing female representation in technology careers

CAREER HISTORY

- January 2011 – Present **UT Dallas**
- Full Time Professor of Teaching
 - Director, Center for Engaging Women in CyberSecurity
 - Selected Teaching Faculty in Executive Masters in Software Engineering
- May 1998 – October 2010 **IBM**
- Business Partner Success Advocate
 - SOA DeepView Architect
 - Principal, Client Enablement Services Financial Services Sector
 - mLearning and Blended Learning Architect
 - Education Program Management
 - Curriculum Architect
 - Technical Lead
 - Instructor
- June 1992-May 1998 **University of Texas at Dallas**
- Graduate Research Student - Office of Naval Research
 - Researcher and Instructor, Computer Science
- January 1986 - April 1994 **Texas Utilities**
- Information Resource Automation Specialist
 - Industrial Health Data Senior Specialist
 - Manager of Environmental Data Management
 - Environmental Data Coordinator
- June 1984-December 1985 **Texas A&M Agricultural Extension Service**
- Computer Technologist
- January 1982-July 1984 **Self-employed Consultant**

EDUCATIONAL BACKGROUND

Master of Business Administration from University of Dallas. Specialization in Project Management. (2008)
Ph.D. in Computer Science from University of Texas at Dallas. Specialization in Artificial Intelligence. (1998)
Master of Science in Computer Science from University of Texas at Dallas. (1995)
Master of Computer Science from Texas A&M University. (1985)
Bachelor of Science from Angelo State University. (1984)

ASSIGNMENT HISTORY

- Current Assignment
 - Teach Graduate & Undergraduate courses including Executive Masters
 - Created new university level courseware to meet ABET accreditation needs for Ethics & Professional Responsibility for Computer Scientists & Software Engineers
 - Created new university level courses for CS Freshmen Experience and graduate level Software Maintenance & Evolution.
 - Created undergraduate research guidance course
 - Member of University Academic Discipline Committee
 - Established Center for Engaging Women in CyberSecurity
 - University liaison to National Center for Women and IT (www.ncwit.org)
 - Living Learning Communities Faculty Advisor
 - Undergraduate Faculty Career Advisor
 - Created and managed camps to increase participation by females in computing including middle school, high school, college, and professional
- Previous Assignments
 - Drove company-wide strategy for leveraging customer success stories for technical marketing messaging in SOA and WebSphere
 - Identified, vetted, and prepared customer speaker for worldwide IBM and analyst conferences
 - Assisted with creation and refinement of SOA certification exams
 - Led IBM internal WorldWide IBM Solution Architect Profession
 - Created & Implemented framework for blended learning
 - Led requirements engagement for corporate-wide internal repository for blended learning
 - Core member in “Unlocking the Blended Learning Code” (patent awarded) initiative
 - Lead inventor for patent regarding solution scenario-based storage of learning content
 - Participated in technology and curriculum design of e-classes at IBM
 - Increased availability of instructors by holding bootcamps to train new instructors for WebSphere, Commerce and Pervasive including technical and teaching skills
 - Developed WebSphere Courseware as Subject Matter Expert
 - Designed and managed implementation of an enterprise-wide application for desktop delivery of corporate library functions including reference material and company archive.
 - Designed system for corporate-wide safety and industrial health compliance including asbestos management, Material Safety Data Sheets, and OSHA reporting.
 - Developed new methodology for intelligent questioning in expert systems.
 - Managed center responsible for all environmental regulatory reporting and compliance tracking.

AWARDS/RECOGNITION/INVOLVEMENT

- 2018 Women in Technology Advocate Award by Dallas Business Journal
- 2018 Tech Titans University of the Future Award
- Dean’s Outstanding Faculty Award
- Chairman of the Board for Women In Cyber Security (WiCyS) Non-profit (www.wicys.org)
- Co-chair of Women In CyberSecurity (WiCyS) annual conference
- Board Member, Girls in Tech Dallas
- Faculty advisor for Women Who Compute (student led organization)

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References

Dr. Ambareen Siraj
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Dr. Rym Zalila-Wenkstern
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