

Curriculum Vitae

BRUCE FULTON

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EDUCATION

University of Arizona, Tucson Arizona

Doctoral Studies, 2008 –
Master of Arts, Information Resources and Library Science (MLIS), 2006
Bachelor of Music (minor in geophysics), 1979

PROFESSIONAL EXPERIENCE

University of Arizona, Tucson AZ

Digital Projects Librarian, Adjunct Instructor 2008 -
Communications and Outreach Librarian, Adjunct Instructor, 2006 - 2008

- Program development and project management, Digital Information Management graduate certificate program
- Virtual computer lab development, implementation and instructional design
- Virtual course development, eCollege and Desire-to-Learn (D2L)
- Courses developed and taught: Applied Technology, Advanced Digital Collections, Social Computing, Technology Foundations
- Website, Web 2.0 and social tools development (podcasting, curricular support, distance communication and outreach strategies)
- Grant development and grant administration (four IMLS grants awarded, > \$3M 2006-2008)

JES & Co, Tucson, AZ

Director of Information and Technology, 2002 to 2005
Director of Operations, 1998 to 2002

JES & Co. is a 501(c)3 non-profit research and development organization focusing on technology integration, instructional design and curriculum support for the education sector. Significant projects include:

- Director of Information and Technology for the US Department of Education-funded Partnership for 21st Century Skills
- Technical architect and co-project manager, Oklahoma's VISION statewide on-line educational portal (Partnership with Dell, Intel, Microsoft)
- Principal architect, Managed Learning System Framework - learning resource object packaging, classification and discovery (adopted by Intel, 2001-2004)
- Co-Principal Investigator, Achievement Standards Network (National Science Foundation / National Science Digital Library)
- Principal architect, Academic Standards and Assessment System (ASAS), a Dublin Core / GEM-based educational resource cataloging and standards alignment tool for K-12 educators
- Curriculum development and instructional design for secondary and post secondary technology instruction programs (CompTIA A+, Networking Essentials, Microsoft Partners in Learning, Intel Academy, Dell Academy)
- Grant development and grant administration

Tierra Del Oro Consulting Inc., Tucson, AZ

Vice President and Chief Operating Officer, 1995 – 1998

Tierra Del Oro is a technology consulting firm and partner level Microsoft Certified Solutions Provider servicing public sector and educational markets. Responsibilities included:

- Project management, design and implementation of enterprise-level network and mail systems, development of training programs, management of help desk and instructional staff

Infinity Group, Inc., Albuquerque, NM

Director of Management and Information Systems, 1994 – 1995

Infinity Group, Inc. specialized in manufacturing and distribution of computerized gaming devices and other gaming equipment and supplies. Responsibilities included:

- Reorganizing and implementing new technology systems including accounting, manufacturing, inventory and fixed assets; design and implementation of company information systems; business analysis and policy development materials; development of in-house training and professional development for staff and management.

Precise Management Inc., Dallas, TX; Retail Control Information Systems, Dallas; Total Information Systems, Phoenix, AZ

Vice President, 1984 – 1994

Precise Management, and previously, Retail Control Information Systems (Dallas) and Total Information Systems(Phoenix), developed and serviced custom vertical market software applications to retail and wholesale music trade operations in the U.S and Canada,. Responsibilities included:

- Software design and applications programming, business analysis, solutions development, management of training and help desk staff; contracts and contract administration,

Music Land / Chicago Store, Tucson, AZ

Computer system development and implementation, 1979-1984

PROFESSIONAL MEMBERSHIPS

Phi Beta Mu (Library and Information Science Honorary Society)

International Society for Technology in Education (ISTE)

Institute of Electrical and Electronics Engineers (IEEE), Member

American Library Association / American Association of School Librarians / Arizona Library Association

Association of Fundraising Professionals

American Association of Grant Professionals

ACCREDITATIONS AND CERTIFICATIONS

eCollege Certified Course Developer, 2007

The Grant Institute, 2005

Microsoft Certified Professional, 1995 – 1999

Citrix Certified Administrator, 1999

Cisco Technical Sales, 1999

Project Management, Microsoft Solutions Framework / Microsoft Solutions Development Discipline, 1998

PUBLICATIONS AND PRESENTATIONS

- Bradley, Johanna; Fulton, Bruce (2009). *Shifting Boundaries of Book Authorship, Publishing, Discovery, and Audience in an I-Society: Authors as their Own Publishers: an Empirical Study*. iConference 2009, Feb 8-11, 2009, University of North Carolina, Chapel Hill, North Carolina
- Fulton, Bruce (2009). *Hands-on Authentic Teaching in a Distance Learning Environment*. Educause Learning Initiative (ELI), January 20-22, Orlando Florida
- Bradley, Johanna; Fulton, Bruce; Botticelli, Peter (2008). *Online Information Management and Curation: Pedagogical Challenges*. Digital Stewardship Workshop at the Joint Conference on Digital Libraries, Pittsburgh, PA. June 16-20, 2008
- Fulton, Bruce (2008). *Creating Virtual Hands-on Labs*. Southwest Institute for Learning with Technology, Northern Arizona University, May 19-21, 2008
- Fulton, Bruce; Botticelli, Peter; Bradley, Johanna (2007). *Teaching Digital Curation: A Functional Approach*. ICHIM 2007 Proceedings, Toronto, Ontario, Canada. October 24-26, 2007
- Fulton, Bruce; Bradley, Johanna (2007). *DigIn: Certificate Program in Digital Information Management*. DigCCurr2007 International Symposium. Chapel Hill, NC. April 18-20, 2007
- Fulton, Bruce et al. (2004). *Route 21: Tools for 21st Century Teaching and Learning*. Appalachian Technology in Education Consortium at CNAC, for the United States Department of Education
- Fulton, Bruce (2003). *Academic Standards and Benchmarks: Resource Alignment Search and Retrieval Use Cases*. JES & Co. Monograph
- Fulton, Bruce (2003). *Alignment and Cataloging Methods*. JES & Co. Monograph
- Fulton, Bruce (2003). *Managed Learning Systems: Recommendations for Best Practices Relating to Content Packaging, Aligning, and Cataloging of Educational Resources*. JES & Co. Monograph
- Fulton, Bruce (2002). *Developing a Curriculum Alignment Framework for the Arizona ASP*. Cox Education Network and LearningStation.Com
- Fulton, Bruce (2001). *Managed Learning Systems: Defining and Validating New Models of Delivery and Accountability*. Delivered to the Legislature of the State of Oklahoma. JES & Co. Whitepaper, 2001

GRANT DEVELOPMENT

- Institute for Museum and Library Services (IMLS), Laura Bush 21st Century Librarian (UA School of Information Resources and Library Science), National Leadership (UA School of Information Resources and Library Science)
- National Science Foundation, National Science Digital Library (University of Washington)
- US Department of Education, Discretionary Funds (Partnership for 21st Century Skills)
- US Department of Education, Improving Literacy Through Libraries, Carol M. White Physical Education Program, Smaller Learning Communities, 21st Century Learning Communities, Advanced Placement Incentive Program (Tucson Unified School District)
- SAP Americas, Corporate Giving (JES & Co.)
- Microsoft, Partners in Learning (JES & Co.)
- Education Commission of the States (JES & Co., Align to Achieve, Inc)
- Grant Reading for Institute for Museum and Library Services, US Department of Education, National Archives and Records Administration