

John Jay Miller

3040 Stribling Road
Sturgis, MS 39769
662.465.6452
jjaymiller@gmail.com / jjaymiller@bellsouth.net

Education

MA in Art Education, Computer Graphics / Animation, The Ohio State University
BS Industrial Design / Visual Communication, The Ohio State University

Teaching Experience

On-Line Curriculum Developer / Graphic Design Faculty, Herzing, 2008
On-Line Facilitator/Teacher, Camera & Lighting, EDMC-AIO, 2007
Graduate Program in Visualization, School of Architecture, MSU, 1998 - 2003
School of Design,(2/3 teaching 1/3 research), University of Cincinnati, 1993 - 1997
Department of Visual Arts, South Dakota State University, 1991 - 1993

Professional Experience

Consulting

Google/ABE, Web Quality Rater, 2006
Giménez del Pueblo S.L. Madrid, Spain, System Integration, 1993
Visual Artists, Salt Lake City, Utah, Animation, 1991
Producers International Corporation, Indianapolis, IND, Animation, 1991
WNDU, Notre Dame, IN, System/Production Analysis, 1991

Production

Database - Cabinetry Estimator, Triangle Cabinetry, West Point, MS, 2007
Animator/Designer/Programmer, General Television Network, Oak Park, MI, 1988-90
Animator, Cranston Csuri Productions, Columbus, Ohio, 1984-87

Web Site Administration

School Web Site, School of Architecture, MSU, 1998 - 2003
College Web Site, University of Cincinnati, 1993 - 1997

Curriculum Development

Online Courses

Through EDMC/AIO (Pittsburg) I have taught online and am currently developing courses for Herzing College.

Mississippi State University

I developed three graduate courses in Applied Computer Visualization for the Master of Science program at the MSU School of Architecture

University of Cincinnati

At the University of Cincinnati School of Design, I proposed 18 new courses for a new major called 'Digital Design,' that was enacted in 1997. This major was structured on five areas of study:

Programming, Content Development, Learning Theory, Usability, Film Theory.

While at UC I taught 15 of those proposed courses

Honors

2002 BusinessWeek / IDSA Industrial Design Excellence Gold Award for Research Anthropometric Measurement and Modeling Project

1987 NCAA Basketball Championship, CBS-TV

* Finalist - Network Sports Promotion, Emmy Awards 1988

1986 Station News Promotion Package, WCBS-TV, New York

* Winner 1986 Gold Medallion, Broadcast Promotion & Marketing Executives

* Winner 1986 Silver Award (BDA), Broadcast Designers Association

* Finalist - Best Computer Technical Director, 1986 Monitor Awards

Graduate Theses

* Chair

-
- * Visualizations of Dynamic Anthropometric Range of Motion for Use in the Design Process, Weidong Wang, June 2001
 - * Promoting the Learning of Complex Science Concepts Through the Use of Digital Visualization Tools, Gloria Stella Garcera, June 2001
 - Levels of Archaeological Evidence Illustrated In Three-Dimensional Computer Models, Wendy J. Allen, August 1999
 - * Development of an Interactive Multimedia Presentation, Li Jie, September 1997
 - * Content Development in the Design Professions, Melissa Atchley, June 1996
 - A Hypermedia Tool for Radiological Education, Margay Rice, June 1996
 - Information Conversion for Hypermedia, Mark Wienstein, June 1996
 - A Documentation of the Design Process of an Interactive Educational Software Prototype: Principles of Visual Organization - Form, Jan Arvanetes, June 1995
 - * A Description of Needs and Requirements for Effective Communication in the Healthcare Industry with a Proposed Solution, Mary Beth Privatera, June 1995
 - Observations of the Integration of Computer Based Materials in a College Level Earth Sciences Class, Heather Crombie, June 1995
 - Learning with HyperMedia, Volker Frank, November 1994
 - An Exploration of Next-Generation Human Computer Interface Design, Parrish Hanna, June 1994

Academic Fundraising & Sponsorships

M.S.U.

MIRAI and Allegro Common Lisp,
3D graphics and animation software and programming environment
20 seats permanent licenses, and campus wide license for Lisp
A total value of \$140,000.

University of Cincinnati

Crown Lift Trucks, sponsored project hard/software purchase, 1997, \$15,000
Microsoft Inc., system and programming development software, 1995-97 \$70,000
Cincinnati Historical Society, sponsored project hardware purchase, 1995, \$5,000
Computer Design Inc., Fullcolor and Woven Design System, 1994, \$74,000

Academic Research Projects

Anthropometric Measurement and Modeling Project

This research involved the development of three dimensional computer visualizations of anthropometric capabilities. The objective of this work is to enable designers to understand human physical capabilities as they create artifacts or environments.

Crown Lift Trucks, an interactive presentation to promote and explain the company's products, services and processes, sponsored project, 1996-97
University of Cincinnati, Faculty Coordinator

"The Museum Center", an interactive kiosk for the Union Terminal Building
Cincinnati Historical Society, sponsored project, 1995-96
University of Cincinnati, Principle Investigator

HyperMedia adaptation of 'Human Carrying Capacity: Senegal Case Study'
NASA Faculty Summer Research Grant, EROS Data Center, Summer 1992
South Dakota Space Grant Consortium, Principle Investigator

	<p>Invited Presentation - The Anthropometric Measurement and Modeling Project, and the Quest for Design Research Funding in the U.S. IDSA 2002, (Industrial Design Society of America), National Conference and Design Gallery, July 2002, Monterey, CA</p> <p>Paper - The Development of a Functional Visualization System for the Creation of Digital Human Models, International Symposium of Design Visualisation, Information Visualisation 02, London, UK July 2002, Proceedings published by IEEE Computer Society</p> <p>Poster Paper - The Development of Digital Human Models of People with Disabilities for Use by Designers and Clinicians, RESNA 25th International Conference, Rehabilitation Engineering and Assistive Technology Society of North America, June 2002, Minneapolis, MN</p> <p>Sketch - The Development of a Functional Visualization System for the Creation of Digital Human Models, ACM (Association for Computing Machinery), SIGGRAPH 2002 (Special Interest Group on Computer Graphics) San Antonio, Texas, July 2002</p> <p>Paper - The Anthropometric Measurement and Modeling Project - 2002 ACADIA 2002, (Association for Computer Aided Design in Architecture), October 2002, Los Angeles, CA</p> <p>Invited Participant - Anthropometrics of Disability: An International Workshop, June 2001, Buffalo, New York, Organizers: RERC's of SUNY and University of Michigan Sponsors: U.S. Access Board, National Institute of Disability and Rehabilitation Research</p> <p>Paper - 'Application of Computer Visualization Techniques for the Use of Anthropometric Data in the Design Process', International Conference on Affective Human Factors Design, June 2001, Singapore</p> <p>Short Paper - 'The Anthropometric Measurement and Modeling Project', Association for Computer Aided Design in Architecture, ACADIA 2000, October 2000, Washington D.C.</p> <p>Poster Presentation - 'The Development of Computer-based Representations of Anthropometric and Biomechanical Data for Use in Environmental and Product Design', Infodesign 2000, July 2000, Coventry, England</p>
Co-author	<p>The Beginner's Non-verbal Instructional Manual: Apple II , II+, Ile Microcomputer, A manual for classroom use by deaf individuals. Department of Education, OSU, 1984</p>
Interview	<p>"Into the Future: Designing with the Computer" Dialogue, An Art Journal, March/April, 1986</p>
Commercial Images	<p>"Easel of the Eighties", Metropolis - The Architecture & Design Magazine of New York, April 1986</p>
Paper Referee	<p>International Conference on Information Visualization - IV03 London, England 2003</p>

Art & Design Exhibitions *(Selected)*

Work of the South Dakota Art Faculty, South Dakota Art Museum, 1991
Images Du Futur 88, Art et Nouvelles Technologies, Montreal, Canada, 1988
The Brown Symposium Juried Exhibition, Texas, 1987
SIGGRAPH Art Show, ACM SIGGRAPH, Dallas, Texas, 1986
Center of Science and Industry, Columbus, Ohio, 1986
Defense Computer Graphics Conference, Washington, D.C., 1985
ACM SIGGRAPH Art Show, SIGGRAPH On-line Images, 1985

Clients

Corporate Communications

Cadillac Motor Company, Ford Motor Company, Unisys, Kuhlman Container, Etkin Construction, CKGP Engineering, Commerica Bank

Station Promotionals

WXON-TV Detroit, WJBK-TV Detroit, CFCF-TV Montreal, WCBS-TV New York, KTVU-TV Oakland

Network Promotionals

CBS-TV - 1986 Fall Campaign, 1987 NCAA Basketball Championship
NBC-TV - 1984 Professional Bowlers Fall Tour

Broadcast Commercials

Arbor Drugs, Lever Brothers/Shedds, Jeep/Eagle, Northern Michigan Chevy Dealers, Eckerd Drugs, Strawbridge&Clothier, Weight Watchers, Clairol

Broadcast Presentations

Young and Rubicam, Domino's Pizza

Computer Stills

Services Rate Card, General Television Network
Production Services Guide, Ohio Film Bureau,
Poster for the American Society of University Composers

Memberships

Current

Industrial Design Society of America (IDSA)
Design Research Society (DRS)

Previous

Association of Computing Machinery (ACM)
Special Interest Groups: Computer Human Interaction (SIGCHI)
Computer Graphics (SIGGRAPH), Artificial Intelligence (SIGART)
College Art Association (CAA)
Institute of Electrical and Electronic Engineers (IEEE)

Education / Research / Tech Transfer Workshops and Training

K-12 Demo - Introduction to the Bb Academic Suite, Online via WebEx
Mike Petersen, Blackboard Inc, 2008
Introduction to the Moodle System Administration Panel, Online via Elluminate,
Anne Thorp, AT Learning Designs, LLC, 2008
EDMC six week training for on-line teaching, 2006
Successful Collaborative Projects and, Twelve Keys to Successful Grantwriting
MSU, Robert P. Lowman, 2002
Institutional Development Award (IDeA) Technical Assistance Workshop on:
- Centers of Biomedical Research (COBRE)
- Biomedical Research Infrastructure Networks (BRIN)
Bethesda, Maryland, 2000
Proposal Preparation Workshops for Biomedical, Social, Behavioral and Economic
Sciences, Mississippi Research Consortium / NIH / NSF, 2000
Dynamics of the Networked Academy, MSU, 1998
Technology Transfer Forum, MSU, 1998
Proposal Writing Workshop, Robert Lucas, MSU, 1998
Teaching and Learning Styles, Anthony Grasha, Shakertown, KY, 1996, 1997
Effective Teaching, Bush Foundation, Minneapolis, MN, 1992