

# marny lawton

design :: multimedia :: instructional :: art

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As a highly versatile design and instructional professional with over 15 years experience in higher education, online learning, and instructional design, I offer creative and focused design and management skills to every project, bringing an innovative approach to technology without losing focus on usability and content. I am proficient and have experience in the following:

- :: Online instructional design and delivery.
- :: Multimedia design and development.
- :: Educational technologies.
- :: Project management.

## education

- **Doctoral Courses**, Purdue University, begun 1999
- M.Ed., Educational Technology Leadership**  
George Washington University, Washington, D.C., 1998
- M.S., Organizational Management**  
Eastern Connecticut State University, Willimantic, CT 1997
- B.A., Art / Finance** with art and design focus  
Albertus Magnus College, New Haven, Connecticut 1982

## skills

- :: **Adobe::** Acrobat, Illustrator, ImageReady, Photoshop, Dreamweaver, Flash, Fireworks, Authorware
- :: **Audio/Video::** production, editing, capture, compression
- :: **Computer Assisted Design::** AutoCAD, 3D Studio
- :: **Conferencing::** HorizonLive / HorizonWimba, NetMeeting
- :: **Image Manipulation::** digital, 3D, photography, rendering
- :: **Languages::** HTML, Flash ActionScript, CSS, SMIL, some XML, Java
- :: **Course Management Systems::** Blackboard, WebCT (all versions), WebMentor, Intralearn, eCollege
- :: **Technology Support::** pc, apple, peripherals, multimedia

## experience

- **Senior Instructional Designer, Center for Excellence in Teaching, IDD University of Connecticut**, Storrs, CT, 1/07 – Present
  - :: Work closely with faculty to develop high-quality interactive face-to-face, blended and online courses.
  - :: Design online learning objects utilizing high-quality graphics, animation, and simulation.
- Instructional Designer, Connecticut Distance Learning Consortium**, Newington, Connecticut, 10/05 – 12/06
  - :: Work closely with clients to build high-quality interactive courses/program for online delivery.
- Associate Director / Sr Instructional Designer, Office of Distance Education, Boston University**, Boston, MA 7/01– 10/05
  - :: Work with director to build new department supporting university in the offering of design and development of innovative, effective and interactive online courses with focus on usability and outcomes.
  - :: Develop effective teaching/assessment strategies using adult learning theories and formative/summative evaluation.
  - :: Work closely with faculty and team members utilizing a systems model approach to course design.
  - :: Manage design and support of course stylesheets and templates.
  - :: Create interactive user interface graphic and animation designs for multimedia application.
  - :: Provide technology support integrating technology with curriculum.
  - :: Facilitate online training courses and present workshops. Set department benchmark for “best practice” delivery.
- Director of Distance Learning, College of Engineering Boston University**, Boston, Massachusetts 1/99 – 7/01
  - :: Managed state-of-the-art ISDN video conferencing facility, presented workshops, and offered training to college faculty.
  - :: Directed and produced audio and video course production for engineering courses.
  - :: Supervised distance learning and video production staff.
- Manager, Instructional Broadcast Facility, College of Engineering Purdue University**, Lafayette, Indiana 12/97–12/98
  - :: Managed distance education broadcast facility, instructional television studios and satellite programming used to deliver academic engineering programming worldwide.
  - :: Managed oversight of appropriate delivery and IT hardware, software and multimedia tools for course development and faculty support.
  - :: Supervised video production staff.
- Manager, Academic Computing Facility and Local Area Network, College of Agriculture & Natural Resources University of Connecticut**, Storrs, Connecticut 8/92 – 12/97
  - :: As network manager developed in three years a 500-node college-wide and computer lab Novell network.
  - :: Built and managed college academic computing facility to state-of-the-art in three years for student, faculty, staff use.
  - :: Provided full technical support, training and consulting to faculty, staff and students of college for hardware/software needs.
- Adjunct Faculty – Computing Science Eastern Connecticut State University**, Willimantic, Connecticut 8/92 – 12/98
  - :: Taught computing science courses introducing innovative content delivery and emerging technologies.
- Project Designer and Systems Analyst, Renovation Team Jung/Brannen Architects/Aetna Life & Casualty, Htfd, CT** 10/87– 9/91
  - :: Create design for approximately 100-200,000 sq ft projects annually.
  - :: Provide CAD training for architects, engineers and designers.
  - :: Systems analyst and backup network technology support and exploration of emerging technologies.
- Investment Officer, Connecticut National Bank**, Hartford, Connecticut 1977 - October 1987
  - :: Responsible for investing \$2.25 billion for retail, corporate, individual and municipal portfolios in both taxable and tax-exempt.
  - :: Managed the Trading Room Municipal Desk; was first to introduce use of PCs and spreadsheet technology
  - :: Licensed with the Municipal Securities Rulemaking Board (MSRB).

## consulting, teaching, and training

- Consulting – Rutgers University, develop initial design, template and one online professional development course in a new agriculture series (2008).
- Consulting – Connecticut Distance Learning Consortium, develop two online courses in forensic science (2007).
- Facilitate online distance training courses, establishing new benchmark for online delivery, Boston University.
- Present workshops, Boston University and University of Connecticut.
- Developed courses in *WebCT* and *CourseInfo* learning management systems for use in faculty training.
- As Adjunct Faculty in the Math & Computer Science Department, Eastern Connecticut State University, responsible for formulating and teaching courses in the basics of computing today, 1992 – 1998.
- Hardware, software and network training at Boston University, Purdue University, University of Connecticut, Aetna Life & Casualty, 1990 – 1998.

## publications and presentations

- Presentation at the **WebCT Conference**, entitled “Changing development platforms at the half-way point”, Drexel University, May 20, 2003, Philadelphia, Pennsylvania.
- Co-Presentation at the **Teaching With Technology Showcase**, Boston University, April 3, 2002, entitled “Distance Education in the College of Engineering” with Donald E. Wroblewski.
- Co-author of paper entitled “Redesign of LEAP Course for Online Delivery”, with Donald E. Wroblewski, Professor, College of Engineering, Boston University.
- 2002 Conference co-presentation at the 2002 **American Society for Engineering Education Conference & Exposition**, Montreal, Quebec, Canada, June 16-19, 2002, entitled “Redesign of an Introductory Mechanics Course for Online Delivery” with Donald E. Wroblewski, Professor, College of Engineering, Boston University.
- Invited member of Focus Groups for **InformationWeek Roundtables**, “Future of Business Process Management”, Boston, MA, March 26, 2002 and “Application Outsourcing” Boston, MA, June 13, 2001.
- Invited Speaker on Electronic Learning at Dell Computer’s Platinum Council 2000 prior to **Dell DirectConnect** Conference, Austin, Texas, September 18, 2000.
- Panelist, “Career Decisions 2000” sponsored by Boston University Alumni Organization, November 20, 1999.
- Moderator, Birds of a Feather Session on Distance Education at **Chautauqua Alliance: Innovations in Science, Computing & Grid Technology**, September 13-16, 1999, sponsored by Boston University, Boston, Massachusetts.
- Conference co-presentation at the **14th Annual Conference on Distance Teaching and Learning**, University of Wisconsin, Madison, Wisconsin, August 5-7, 1998, entitled “A systems model approach to organizing a distance learning program” with Mary S. Bonhomme.
- Author of paper entitled “A systems model approach to organizing a distance learning program”, with Mary S. Bonhomme, 1998.
- Conference co-presentation at the **Third Annual Conference of The Connecticut Consortium for Enhancing Learning and Teaching (CCELT)**, “Education in the 90’s: Risky Business”, October 31, 1997, Central Connecticut State University, New Britain, Connecticut, entitled “Reducing Anxiety and Enhancing Learning in Computer Courses” with Dr. John T. Flynn.

## professional activities and honors

- Chair and Founder of Boston University's "Teaching and Learning With Technology Roundtable" (TLTR).
- Award for outstanding scholarship of dissertation entitled "A study of attitudes and perceptions of technology use in the workplace", Organizational Management Program, Eastern Connecticut State University, 1997, published by the Connecticut State University System Libraries.
- Content Director, Technology for the Future, Association for the Advancement of Educational Research (2000-2001)
- Memberships:
  - EDUCAUSE, Participating Member for Boston University (1999 – present)
  - Association for the Advancement of Educational Research (2000-2001)
  - SALT (Society for Applied Learning Technologies)
  - Connecticut Women Artists (member, 2008)

## research

- Research includes search for innovative reuses of known hardware and software for instructional and human-computer interaction and the study of attitudes and perceptions of technology use in the workplace. Projects have included:
- Redesign of course for online delivery using a systems model approach - EK301, Mechanical Theory, Late Entry Accelerated Program (LEAP), Boston University, 2001-2002.
  - Development of **Stat Choice**®, a software program designed to assist users in effectively asking the appropriate questions leading toward selection of the correct univariate and non-parametric statistical tests, University of Connecticut, 1998.
  - Surveyed attitudes and perceptions of technology use in the workplace in preparation for thesis for Organizational Management masters program, Eastern Connecticut State University, conducted in conjunction with College of Agriculture & Natural Resources, University of Connecticut faculty/staff survey, 1996.
  - Windows-based software application, **EBD Locator**®, design and development of an interactive Macintosh locational mapping software application (early GIS), Aetna Life & Casualty, 1988.

## grants and funding

- Project Manager, "Journey To The Center of The Leaf", design and distribution of animated learning object as a teaching tool of photosynthesis process, Present, UConn.
- Principal Investigator, Instructional Technology Grant Program, "LEAP-At-A-Distance", redesign mechanics theory course for online delivery, 2000-2001, Boston University.
- Co-Principal Investigator / primary author of National Science Foundation's "Action Agenda for Engineering Education Innovation" grant entitled "Redesign of Remote Engineering Curriculum", 2001, Boston University. (not funded).
- Participated in writing of Purdue Lilly Endowment pre-proposal for Schools of Engineering "Boiler Backpacks", July 1998, Purdue University.
- Co-Principal Investigator for "Multimedia Backgrounders in Computer Aided Instructional Modules in Improving Teaching", USDA Higher Education Challenge Grant #9301776, 1993-1995, Dr. John J. Riesen, Principle Investigator, University of Connecticut.
- Founded Project Agreach, a technology / distance education collaboration between the University of Connecticut and Moriarty School in Norwich, Connecticut, 1995-1997.
- General Operating Support Application Grant, The Festival Ballet of Rhode Island, Rhode Island State Commission on the Arts, 1994.
- Awarded two grants from the Aetna Foundation (1990-1992) to:
  - Purchase computer software for the Hampton School District, Hampton, Connecticut
  - Design and implement creative architectural design solutions for the Hartford Courant Arts Center / The Hartford Ballet Company.

### special projects and expertise

- **Facilitator** – facilitate online training distance courses at Boston University, 2005 to present.
- **Certificate in Project Management** - from Boston University/Advanced Management Services, 2004, after participation in “Project Management Excellence” presented by Advanced Management Services.
- **Teaching and Learning With Technology Roundtable (TLTR)** - Founded and chaired the first university-wide TLTR for Boston University (2000-2001) to help bring departments together to discuss and share educational technology ideas, resources, support, integration and inter-departmental interaction. TLTR drew from academic and administrative departments and colleges across entire university. Testing of emerging technologies included a collaborative TLTR meeting with Argonne National Laboratories in Washington, D.C. over the Access Information Grid conferencing system at Boston University.
- **Instructional Design** – Developed online course to assist faculty learning two course tool applications, *WebCT* and *CourseInfo* and HTML, designed to offer insight into education in the distance/distributed format, 2000-2002.
- **Train The Trainer** – a program designed to train beginners in basic use of the computer, Windows operating system, electronic mail and the World Wide Web. Designed as part of Project Agreach for parents and instructors at the Moriarty School, Norwich, Connecticut, University of Connecticut, 1997.
- **Web Site and Graphic Design** – complete design, coding, registering and launching of eight Web sites including five major departmental sites, two online course sites and one dot.com startup. Examples, in development order, can be found at:
  - **BU Interactive, Office of Distance Education**, Boston University.
  - **ThesisPieces.com™**, online dissertation service for advanced degree distance education students (2000).
  - **Office of Distance Learning**, College of Engineering (Boston University), most functions now moved to new university Office of Distance Education (1999).
  - **Instructional Technologies Facility** (Purdue University – original design has changed) (1998).
- **Created and built online course** “Explore Distance Learning” in both Blackboard and WebCT for use in educating faculty to teach at a distance, College of Engineering, Boston University (1999).
- **Project Agreach** - created a program to bring together public elementary teachers and students with research university faculty to collaborate in sharing information and resources for purposes of broadening the availability of university resources to K-12 students while also offering professional development opportunities to K-12 instructors (1995-1997).

### collaborators over last ten years

- Roscoe Giles, Ludmilla Leibman, James Lengel, Sharon Prado, David Perreault, Michael Ruane, Donald Wroblewski (Boston University).
- Lyle Yorks (Columbia University).
- Mary Bonhomme, Charles Krougrill, Ray Eberts, Jeffrey Wright (Purdue University).
- Carol Auer, John Riesen, Edgar Mills, Renee Sonnenblick, John Flynn (University of Connecticut).