

- EXHIBITIONS** **Pixyl(ophone) Fountain**, Interactive Music/Light Sculpture, George Town Art Fest. Penang, Malaysia 2015  
**Dream Inside a Beehive a Second Before Awakening**, Projection/Video Dress, Cleveland Museum of Art  
Finalist and first place at Surreal Fashion Show, Cleveland Museum of Art Cleveland, OH 2014  
**Solar Night**, Solar Sculpture, First Solar Art Festival (juried+first place) Bay City, MI 2013  
**Symbiosis**, Interactive Video Projection, Ingenuity Festival Cleveland, OH 2013  
**Solar Tree Workshop**, with Boys & Girls Club, Ingenuity Festival Cleveland, OH 2013  
**Solar Lucky Bamboo Workshop**, Automatically light up at night, Maker Faire Cleveland, OH 2013  
**Python Reticulatus**, Painting Snake Sculpture, Asia Town Cleveland (juried) Cleveland, OH 2013  
**Solar Bamboo**, Interactive Solar-powered Bamboo Steampunk Sculpture Cleveland, OH, 2013  
**Towards the Black Hole**, Interactive mini-golf, Boca Raton Museum of Art (juried) Boca Raton, FL, 2012  
**DRACO**, Painting Dragon Sculpture, Asia Town Cleveland (juried) Cleveland, OH 2012  
**One Fish, then there were none**, Exhibit video game, Ingenuity Festival, (juried) Cleveland, OH, 2011  
**Public Art Concepts Display**, Cleveland Public Art Cleveland, OH, 2010  
**Global Warming on Ice**, Interactive Sculpture, Ingenuity Festival, (juried) Cleveland, OH, 2010  
**Dance Revolution**, Video Game for MFA Dance Student using Motion Capture Columbus, OH, 2008  
(more exhibitions upon request)
- PUBLICATIONS** Solar Night, Fall In Sol Various, 2013  
Towards the Black Hole, Boca Raton Museum of Art Various, 2013  
Bitter-Sweet (large installation), Lancaster Arts Festival OSU Weekly, 2007  
*Candy lures curious to take part in art*, Lancaster Arts Festival Columbus Dispatch, 2007  
Cover Story, Picture-perfect Pro/E Pro-E Magazine, 2000
- LECTURES** 2007, 2008 Ethical Consumption: Art as education OSU, Department of Consumer Sciences
- EXPERIENCE** **Lake Erie College**, Painesville, OH August 2008 – Present  
**Assistant Professor of Integrated Media and Digital Arts**
  - Developed curriculum (lectures & assignments) for New Media program: Official Major in 2010 with students working on many Real World media projects including work in Web Design, Video Game Production, Web programming, Video, App development, Photography, etc.
  - Consultant on several in-house projects including website design and layout.
  - Developed additional curriculum (lectures & assignments) for Multidisciplinary Art concentration.
  - Working with other academic areas to create new experimental collaborations in Product Design, Computer Graphics, and Bio-Art.
  - Received grant from Entrepreneurship program to develop “CNC in art” machines, and mobile app projects with curriculum including online educational media.**Ohio State University**, Columbus, OH September 2005 - August 2008  
**Instructor of Record**
  - Developed curriculum (lectures & assignments) for Web, Multimedia Authoring, & 3D Computer Sculpture.
  - Developed and maintained online course material using Carmen (Web CT equivalent)
  - Graduate Research Assistant for ACCAD (The Advanced Computing Center for the Arts and Design) working in experimental art/media, performance and computer visualization areas.**Neptune Media World**, Freelance December 2000 – September 2005
  - Consultant/Volunteer/Instructor at San Joaquin County of Education in art and technology integration for K-12 using RCX robot microchip, Robolab robot programmer, Basic Stamp microcontroller, Motors, Solar Cells, computer graphics, GPS, game design, video, web development and other art/technology
  - Consult clients in Web Design, CD-ROM, DVD, print, 2D, 3D, modeling, animation, programming and CAD
  - Designed, budgeted, and produced Educational Technical Training Multimedia CD-ROM (with Game Design, 3D and Digital Video) on Polymer Engineering for University of Akron.
  - Training Instructor for Certified Macromedia Training Center at Fathom Interactive (and Consulting work)
  - Training Instructor for Modesto Institute of Technology.**Modesto Junior College**, Modesto, CA September 2002 – December 2003  
**Computer Graphics & Media Instructor of Record**
  - Developed curriculum for Introduction to Computer Graphics and 3D Modeling & Animation courses.
  - Developed and taught community courses (Digital Holidays, Flash, 3D, and Game Design.)**NASA, Glenn Research Center**, Brookpark, OH November 2001 – November 2002  
**Technology Analyst and Web Developer**
  - Consulted, researched and recommended on best practices for IT, distance learning, high web traffic,

- immersive environments, educational games, and visual design.
- Created and maintained Learning Technologies Project (LTP) websites: HTML, 508 Compliance, Programming CGI, Javascript, JAVA, Video editing/encoding, Streaming Video (Real Server)
- Created interactive, innovative, fun, and informative educational software/multimedia about Math/Science including rocketry and space exploration.
- Wrote winning proposal for 2003 NASA LTP funding for call for papers on 3D and Virtual Environments. Tied for the best out of 39 proposals from all the NASA centers.

**Lakeland Community College**, Kirtland, OH

September 1998 – June 2002

**Multimedia/Animation Instructor of Record**

- Developed syllabus and taught Introduction to Multimedia, Multimedia Production, Multimedia Integration, Introduction to 2D & 3D Animation, and Advanced 3D Animation.
- Developed and taught community courses in Digital Holidays, Flash, 3D, and Game Design.
- Assisted in expanding Multimedia Department class offerings.
- Resource for new multimedia faculty in acclimating to the multimedia program by sharing personal curriculum, and training on the use of the computer applications and facilities.

**EDR**, Beachwood, OH

February 2000 - December 2000

**Interactive Designer/ Special Effects / 3D Artist**

- Wrote interactive proposals, budgeted projects, designed and led projects and exhibits, programmed and art directed interactive projects, and researched new technologies.
- Project manager of large CD-ROM project and Lead animator in several product videos.
- Researched and expanded 3D capabilities of company, and worked on a team to add cutting-edge technology to our list of services including interactive DVD and interactive 3D.

**Cornell University**, Upson Hall, Ithaca, N.Y.

November 1997 - May 1998

**Web Designer for engineering data**

- Responsible for all web graphics and web development for professor's fluid mechanics research.
- Assisted professor in proposal (graphics) for a NASA grant in microgravity research.

**Cornell University**, Sibley Hall, Ithaca, N.Y.

August 1996 - December 1996

**Photography Color Technician and Darkroom Monitor**

- Enhanced mechanical engineering skills through maintenance and repairs of color processor.
- Assisted new photography students on photo developing techniques and darkroom procedure.
- Critiqued students' black and white prints, and offered personal art advice.

**SKILLS**

**Language:** Fluent in English and Spanish.

**Expertise:** Adobe Suite: Dreamweaver, Photoshop, Illustrator, InDesign, Flash (with actionscript & Database (MySQL/PHP/ASP) integration), After Effects, Acrobat, iDVD, DVD Studio Pro, Final Cut Pro, Maya, HTML/HTML5 (Javascript), Microsoft Office, Audacity, Unity

**Other software proficiency (alphabetical):** 3D authoring tools, 3D Studio Max, ASP, Bryce, C++, Carrera, Character Studio, Combustion, Contribute, Corel, Director (with Lingo), Fireworks, Freehand, Front Page, Game Studio, Illustrator, Infiniti 3D, Java, MATLAB, MAX/MSP (with JITTER), Pascal, Perl (CGI), PocketC (Palm / PDA development), Poser, Premiere, Processing, Real Streaming, Robolab, Quark, Sound Forge, SQL, Strata  
**Other Media:** Photography, Arduino/Physical Computing, Sculpture (Fabrication and Welding: Wood, Plaster, Bronze, Steel (Gas, MIG, TIG), Metal and Wood Machine Operation, 3D rapid prototyping, CNC machine design and operation

**OUTREACH**

Developed and taught Wexner summer workshop "Animated Game Design" for ages 9 – 14 years old (2007)  
 Graduate Studies Committee, OSU (2005-2006)  
 Madison and Tower, student-run advertising agency, President ('97-'98) and VP of Art ('96)  
 Students for a Free Tibet, Founder and President ('97-'98)

**HONORS**

Center for Entrepreneurship Grant for research in Ebooks and mobile apps, Center for Entrepreneurship Grant for research in Fabrication in Art, Lancaster Arts Festival Artist-in-residence 2006, Travel Grant, Graduate Teaching Award Nominee, Trustee fellowship (full scholarship) at School of the Art Institute of Chicago (declined), Cornell Tradition Fellow, United Federation of Teachers Scholarship, Leadershape Design Award, Dean's List, Rensselaer Medal Scholarship

**EDUCATION**

**Ohio State University**, Department of Art, Columbus, OH  
 Art & Technology, M.F.A.

May 2008

**Academy of Art University**, San Francisco, CA

Summer Classes 2003

**Cornell University**, College of Engineering, Ithaca, N.Y.  
 School of Mechanical & Aerospace Engineering, B.S.

May 1998