

## MICHAEL W. ARNOLD MAGES

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### EDUCATION

**PhD, Design**, May 2018

Carnegie Mellon University, Pittsburgh, Pennsylvania

Concentrations: Design for high-stakes conversation, Transition Design

Dissertation: *Designing Civic Conversations: things and facilitation in high-stakes and difficult conversations*

Committee: Jonathan Chapman, Dan Lockton, Cameron Tonkinwise

**Master of Arts, Digital Media Studies**, June 2002

University of Denver, Denver, Colorado

Concentrations: Communication and Interface Design, net.art, Streaming Media

Thesis: *Mutual Assured Deconstruction, An Exploration of the Nature and Quality of Computer-Mediated Telepresence*

Advisors: Jeff Rutenbeck, Trace Reddell, Angela Forster

**Bachelor of Music, Composition**, Cum Laude, May 1996

University of Arizona, Tucson, Arizona

Concentrations: Music Technology, Atonal Composition

### PROFESSIONAL EXPERIENCE

AUG 2014 TO

CARNEGIE MELLON UNIVERSITY, SCHOOL OF DESIGN

PRESENT

INSTRUCTOR, DESIGN & IDEATE

- Developed and implemented Design coursework and lectures in accordance with departmental guidelines
- Classes taught for Design:
  - Designing Civic Conversations *graduate course, elective for Public Policy students*
  - Design Thinking *graduate course, required for all MA Design students*
  - Senior Studio *upper-division, required for all BFA Design students*
  - Persuasion *upper-division, required for all BFA Design students*
- Classes taught for IDEATE:
  - Information Design *lower-division, elective for IDEATE students*
- Created research partnerships with the City of Pittsburgh, The Heinz Endowments, The Environmental Charter School, US Dept of Veterans Affairs (SWPA), The Remaking Cities Institute, Carnegie Mellon Student Affairs, Office of Diversity, WQED Public Broadcasting

FEB 2015 TO

THE ART OF DEMOCRACY

PRESENT

FOUNDING PARTNER

- Designed, planned and executed strategic conversations using a deliberative framework in partnership with municipal governments, not-for profits and funding organizations
- Through research, helped clients to define purpose, clarify objectives, identify goals
- Developed new client relationships, managed projects, monitored client satisfaction throughout project lifecycle
- Collaborated with clients to set goals and measure success

- AUG 2010 TO  
JULY 2014 UNIVERSITY OF COLORADO, DENVER, COLLEGE OF ARTS AND MEDIA, VISUAL ARTS  
INSTRUCTOR, DIGITAL DESIGN
- Developed and implemented Digital Design coursework and lectures in accordance with departmental guidelines
  - Classes taught for Digital Design:
    - Introduction to Digital Design *lower-division, required for all Digital Design students*
    - Typography Studio *lower-division, required for all Digital Design students*
    - Design Studio I *upper-division, required for all Digital Design students*
    - Design Studio IV *upper-division (thesis), required for all Digital Design students*
    - Interactive Media *upper-division, required for all Digital Design students*
    - Interactive Media II *upper-division, required for all Digital Design students*
    - The Practice of Design *upper-division, required for all Digital Design students*
- 2009 TO  
PRESENT THINK MAKE DO LLC.  
PRINCIPAL, SENIOR EXPERIENCE DESIGNER
- Created successful research-based software design practice
  - Managed all aspects of client relations, from writing the initial proposal, managing the design, development and deployment process, to completing project quality assurance
  - Led the development of successful communication solutions for over 20 new clients in an 8-month period (2011–2012)
  - Recruited a group of 12 contractors to provide design and development services
- AUG 2008 TO  
AUG 2009 METROPOLITAN STATE COLLEGE OF DENVER, DEPARTMENT OF ART  
VISITING ASSISTANT PROFESSOR, COMMUNICATION DESIGN
- Developed and implemented Communication Design coursework and lectures in accordance with departmental and NASAD guidelines
  - Faculty advisor for undergraduate students
  - New course developed for Communication Design students:
    - Creating a Web-based Portfolio *upper-division elective*
  - Classes taught for Communication Design:
    - Concepts in Motion *upper-division, required for all Communication Design students*
    - Narrative Design *upper-division, required for all Communication Design students*
    - Design Research *upper-division, required for all Communication Design students*
    - Two Dimensional Design *foundations, required for all Art students*
- 2004 TO  
2008 ROCKY MOUNTAIN COLLEGE OF ART AND DESIGN, GRAPHIC DESIGN/INTERACTIVE MEDIA  
CORE FACULTY, GRAPHIC DESIGN/INTERACTIVE MEDIA
- Developed new degree program and curriculum for Bachelor of Fine Arts in Digital Media in compliance with NASAD standards for accreditation
  - Developed and implemented Graphic Design & Interactive Media coursework and lectures in accordance with departmental guidelines
  - Faculty advisor for 20 undergraduate students per semester
  - Supervised independent study projects in: Physical Computing, Tactical Media, Design Theory, Interactive Animation, Packaging
  - Classes taught for Graphic Design and Interactive Media:
    - Experience Design *upper-division course, required for all Graphic Design students*

- Design Systems *upper-division course, required for all Graphic Design students*
- Sign and Symbol *required for all Graphic Design students*
- Design Concepts and Methods *required for all Graphic Design students*
- Typographic Design *required for all Graphic Design students*
- Electronic Page Layout *required for all Graphic Design students*
- Raster Image Processing *required for all Graphic Design and Illustration students*
- Advertising Copywriting *upper-division, elective Graphic Design course*
- Introduction to Interactivity and Multimedia *upper-division course, required for all Graphic Design students*
- Digital Editing *upper-division course, required for all Graphic Design students*
- User Prototyping *upper-division course, required for all Digital Media students*
- Web Design *upper-division course, required for all Digital Media students*
- Interaction Design *upper-division course, required for all Digital Media students*

2005 TO 2008 UNIVERSITY OF COLORADO, COLLEGE OF ART AND ART HISTORY, BOULDER, COLORADO  
LECTURER, MEDIA ARTS/PHOTOGRAPHY

- Classes taught for Media Arts and Photography:
  - History and Theory of Digital Art *upper-division undergraduate/graduate course required for all Media Arts BFA and MFA students*
  - New Directions in Digital Media *upper-division undergraduate/graduate course required for all Media Arts BFA and MFA students*
  - Digital Art II *core undergraduate course required for all Media Arts BFA students*
  - Digital Art I *core undergraduate course required for all Media Arts BFA students*

SUMMER 2007 ANDERSON RANCH ARTS CENTER, ASPEN, COLORADO  
INTERIM PROGRAM DIRECTOR, PHOTOGRAPHY AND DIGITAL MEDIA

- Successfully ran 23 workshops covering a range of topics in photography, digital media, physical computing, web design
- Served nearly 200 students in a 13 week period
- Mentored, trained and supervised a staff of 4 interns and studio manager
- Tracked budget adherence for 2007 season, planned budget and forecasted enrollment for 2008 season
- Completed square footage analysis, researched and developed renovation plan to modernize building
- Programmed and recruited internationally renowned faculty for 30 workshops for the Summer of 2008

2001 TO 2007 UNIVERSITY OF DENVER, SCHOOL OF ART AND ART HISTORY, AND DIGITAL MEDIA STUDIES  
ADJUNCT PROFESSOR, ELECTRONIC MEDIA ARTS DESIGN, AND DIGITAL MEDIA STUDIES

- Developed and implemented coursework and lectures in accordance with departmental guidelines
- Supervised and mentored students completing Senior Projects
- Classes taught for Electronic Media Arts Design (eMAD) and Digital Media Studies (DMS):
  - Introduction to Visual Meaning *foundation undergraduate course required for all DMS and eMAD BFA students*
  - Interactive Digital Art *advanced undergraduate course required for all eMAD BFA students, graduate DMS course*

- Introduction to Interactive Media: Theory and Practice *graduate and undergraduate DMS course*
- Designing Social Awareness *advanced undergraduate course required for all eMAD BFA students*
- Fundamentals of Design *foundation undergraduate course required for all DMS and eMAD BFA students*

1997 TO 2004 LEANIN' TREE, BOULDER, CO  
DESIGNER/LEAD WEB DESIGNER

- Concepted, designed and supervised production of all company Web properties
- Developed plan for strategic development of Internet presence
- Coordinated web site design and production with 6 departments
- Directly responsible for increase in website revenues from \$10,000/year to over \$480,000/year
- Initiated, developed and implemented program for heuristic evaluation of web site functionality
- Created innovative design solutions for products, catalogs and promotional materials—from initial concept to completed project
- Supervised photo shoots for related projects

1996 TO 1997 UNIVERSITY OF COLORADO, COLLEGE OF MUSIC, BOULDER, COLORADO  
GRADUATE TEACHING ASSISTANT, COMPUTER-ASSISTED MUSIC LABORATORY

- Classes Assistant-taught for College of Music:
  - Introduction to Music Technology *foundation undergraduate course required for all BMus Composition students*
  - Music Appreciation *elective undergraduate course for non-music majors*
- Performed system maintenance on local computers and LAN network
- Supervised work-study students as lab monitors
- Supervised technical elements of electronic music concerts

1996 TO 1997 GRITZ-RITTER GRAPHICS, 5595 ARAPAHOE ROAD, BOULDER, CO  
DESIGNER

- Developed unique design solutions that were consistent with client business needs
- Managed workflow for graphics department
- Partnered with Sales and Customer Service to develop, manage and maintain client relationships
- Produced mechanical masters and ensured quality control throughout the production process

#### APPLICATIONS/LANGUAGE/SYSTEMS FLUENCY

InDesign, Illustrator, Photoshop, Imageready, Lightroom, Premiere, Final Cut Pro, After Effects, Dreamweaver, Director, Flash, Fireworks, Digital Performer, Deck II, Soundedit, Peak, HTML, CSS, Processing, ActionScript 2.0 & 3.0, JavaScript, SQL and PHP, Microsoft Project, Microsoft Office, Mac OS, Windows XP/Vista, UNIX

#### RESEARCH AND EXPERIENCE WITH

Physical Computing, Robotics, Java, XML, RTSP/RTP Streaming, Video Conferencing

#### SELECTED CONFERENCES AND PUBLICATIONS

Researching Transition Design, article with Dimeji Onafuwa, in Cuadernos del Centro de Estudios en Diseño y Comunicación, Universidad de Palermo, Buenos Aires, special issue on Transition Design, 2018

Designing for Civic Conversations presentation at: Relating Systems Thinking and Design 6, Oslo, Norway, October 18–20, 2017

Redesigning the Town Hall: Deliberative Community Forums presentation at: National League of Cities City Summit, Pittsburgh, PA, November 16–19, 2016

Uber and Language/Action Theory paper presented at: DRS2016: Design + Research + Society - Future-Focused Thinking, Brighton, UK, June 27–30, 2016

Low Fidelity Prototyping for Digital Experiences paper presented at: Cumulus/DRS Symposium as part of the Digital Culture Working Group, Denver, Colorado, September 29–October 2, 2011

Digital Culture and Graphic Design Education paper presented at: Interdisciplinary Design Institute 5th Annual Design Research Conference: Design and Cultures, Washington State University, Spokane, Washington, January 15–16, 2009

PhotoShop and Language Theory: Integrating trans-disciplinary approaches into the Design Studio paper presented at: Intent/Content: AIGA Design Education Conference, Nashville, Tennessee, May 31–June 2, 2007

Digital Media and the Education of the Graphic Designer paper presented at: Intent/Content: AIGA Design Education Conference, Nashville, Tennessee, May 31–June 2, 2007

Designing Discourse: What Do We Mean When We Say “Design Theory”? paper presented with Erica Nooney at: Intent/Content: AIGA Design Education Conference, Nashville, Tennessee, May 31–June 2, 2007

**Keynote Presentation:** Integrating Digital Media into Emerging Programs keynote presented at: Design Frontier: Graphic Design Education in Small Programs and non-Urban regions, at Rocky Mountain College of Art and Design, Lakewood, Colorado, December 2–3, 2006.

Building an Archive, -empyre- November, 2005 discussion published as a book by The Art Gallery of Knoxville, Tennessee, USA, November, 2005

Media Studies, Semiotics and the Digital Image paper presented at: Schools of Thoughts 2: Poised Toward the Future of Graphic Design Education, at Artcenter, Pasadena, California, March 4–6, 2005.

Media Studies, Semiotics and the Digital Image paper presented for: Faculty Lecture Series, at Rocky Mountain College of Art and Design, April 18, 2005

Mutual Assured Deconstruction presented at: The Aesthetics of Digital Space and Physical Space, Internet Research 3.0: Net / Work / Theory, Association of Internet Researchers, Maastricht, the Netherlands

Web Design and Review, Guest Reviewer, August 2001  
<http://www.graphic-design.com/news/2001/0108.html>

## ACADEMIC AND COMMUNITY SERVICE

Deliberative Democracy in the City of Pittsburgh guest lecture in: Mexico: ¿Que hacer frente a un mundo cambiante? instructors Blanca Heredia, Marisol Vazquez, Carolina Arroyo; Talentum-Universidad 2017, Pittsburgh, PA, July 12, 2017

Guest presentation in: Designing Deliberative Democracy, CAS/POL SCI 297H – Democratic Leadership, instructors John Gastil, Chris Beem; McCourtney Institute for Democracy, Pennsylvania State University, October 2, 2016

Organizer, PhD Symposium for In-process work (PhD student workshop, Carnegie Mellon University), March 4–5 2016

Workshop Organizer, Mattering by Design (graduate student workshop, Carnegie Mellon University and Parsons), November 7–9 2014

In-kind donation (website) for the Longmont Humane Society, Dec 1, 2012

In-kind donation (website) for the Denver Art Museum Design Council, Dec 15, 2011

In-kind donation (website & identity) for the Golden Community Choirs, Oct, 2011

In-kind donation for the Denver Art Museum Design Council, Design After Dark, Jan 30, 2010

In-kind donation for the Denver Art Museum Design Council, Design After Dark, Jan 30, 2009

Judge for Bridging the University District. Washington State University Student Charrette for Design Research Week, Jan 13–16, 2009

Conference Organizer, Image, Space Object 5, 2008

Group facilitator, -empyre- online discussion group for media arts practice, 2002 – 2006

Conference Organizer, The Design Frontier, design education in small programs and non-urban regions, 2006

Conference Organizer, Image, Space Object 4, 2007

Intern Supervisor, AIGA Aspen Design Summit, 2006

Conference Organizer, Image, Space Object 3, 2006

Conference Organizer, Image, Space Object 2, 2005

Executive Board of Directors, AIGA-Colorado, 2005 – 2007

Designer for Paper Couture, the Art Directors' Club of Denver Paper Fashion Show & Charity Auction, November 2004

Judge for Philip J. Steele Merit Scholarship Awards: Rocky Mountain College of Art and Design, November 2004

Reviewer for The REVIEW: Annual Student Portfolio Review presented by the American Institute of Graphic Arts(AIGA), Art Directors Club of Denver(ADCD), Denver Advertising Federation(DAF), Design to Print(D2P) and the Society of Environmental Design(SEGD), April 2003, 2004, 2005

Association of Internet Researchers, Digital Art and Aesthetics Review Board, Internet Research 8.0: Let's Play, 2007

Association of Internet Researchers, Digital Art and Aesthetics Review Board, Internet Research 7.0: Internet Convergences, 2006

Association of Internet Researchers, Digital Art and Aesthetics Review Board, Internet Research 4.0: Broadening the Band, 2003

Association of Internet Researchers, Digital Art and Aesthetics Review Board, Internet Research 3.0: NET / WORK / THEORY Conference, 2002

Branding and Identity consultant, Wildlands Restoration Volunteers, Boulder, Colorado, 2003

Marketing and Design consultant, Collage Children's Museum, Boulder, Colorado, 1998-2001

## SELECTED WORKS EXHIBITED/PERFORMANCES

### PERMANENT COLLECTIONS

December 2001 Mutual Assured Deconstruction  
Rhizome.org at the New Museum in New York City, USA

### SOLO EXHIBITS

November 2001 Mutual Assured Deconstruction Victoria Myhren Gallery,  
University of Denver, Denver, Colorado

### SELECTED GROUP EXHIBITS/PERFORMANCES

October 2013 2013 Juried Alumni Show, Victoria H. Myhren Gallery,  
University of Denver, Denver, Colorado

October 2007 45th Annual Faculty Exhibition, Philip J. Steele Gallery,  
Rocky Mountain College of Art & Design, Lakewood, Colorado

August 2007 Faculty Exhibition, Anderson Ranch Arts Center,  
Snowmass Village, Colorado

February 2007 Faculty Exhibition, University of Colorado Art Museum,  
University of Colorado, Boulder, Colorado

November 2005 43rd Annual Faculty Exhibition, Philip J. Steele Gallery,  
Rocky Mountain College of Art & Design, Lakewood, Colorado

November 2004 42nd Annual Faculty Exhibition, Philip J. Steele Gallery,  
Rocky Mountain College of Art & Design, Lakewood, Colorado

September 2004 Occupied, Victoria H. Myhren Gallery,  
University of Denver, Denver, Colorado

April 2003 Web3DArt 2003 – Web 3D Art Show, at The 8th International  
Conference on 3D Web Technology in St. Malo, France.  
Sponsored by ACM SIGGRAPH and the Web 3D Consortium

April 2003 The Pixellated Palette, Broomfield Cultural Center,  
Broomfield, Colorado

October 2002 The Pixellated Palette, The Temple Buell Gallery,  
Denver, Colorado

April 2002 Postcards from All Over, (mail art)  
IAA Center for the Arts, Irving, Texas

April 2002 <di>fusion, [Contributing Participant] Online and at the  
University of Colorado, Boulder, Colorado

April 2002 The Reddish Show, The Globe Gallery, Roswell, NM

April 2001 8 Track - Experimental Distributed Music, [Contributing  
Participant] Online and for the Boston Cyber Arts Festival 2001

March 2002 Art on the Edge, Juried Exhibit  
Lakewood Arts Council, Lakewood, Colorado

April 2001 8 Track - Experimental Distributed Music, [Contributing  
Participant] Online and for the Boston Cyber Arts Festival 2001

February 2001 Juried Student Exhibition, University of Denver

## COMMISSIONS

### PUBLIC ART

January 2008 Finalist, Denver Office of Cultural Affairs, Overland Lake Park

January 2008 Finalist, Denver International Airport, Emerging Artists Public  
Art Project

#### PROFESSIONAL MEMBERSHIPS

Association of Internet Researchers  
American Institute of Graphic Arts  
Arts and Humanities Assembly of Boulder

#### AWARDS AND SCHOLARSHIPS

UPLIFT Challenge Grant, Games for Health (Health and Wellness) – Proposed by Michael Arnold Mages and Francis Carter, Carnegie Mellon University, Pennsylvania, 2017  
Graduate Student Travel Grant, Graduate Student Association, Carnegie Mellon University, Pennsylvania, 2016  
Jewish Healthcare Foundation QI2T Health Innovators Fellowship, Pittsburgh, Pennsylvania, 2015  
Faculty Travel Grant, Metropolitan State College of Denver, Colorado, 2008  
Faculty Development Grant, Rocky Mountain College of Art & Design, Colorado, 2007  
Faculty Development Grant, Rocky Mountain College of Art & Design, Colorado, 2005  
Faculty Travel Grant, University of Denver, Colorado, 2002  
Graduate Studies Scholarship, University of Denver, Colorado, September 1999–June 2001  
Colorado Graduate Grant, University of Denver, Colorado, September 1999–June 2001  
Darin Joslyn Memorial Scholarship, University of Arizona, Tucson, January–May 1996  
Regents Fine Arts Scholarship for Music Composition, University of Arizona, Tucson August 1995–May 1996  
Distinguished Service Award, U.S.A.F., Keesler AFB, Biloxi, MS October 1989