

Amelia R. Jaycen

Science Journalist
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HIGHER EDUCATION

Master's Degree in Journalism, May 2017
Frank W. Mayborn Graduate Institute of Journalism
University of North Texas
1155 Union Circle #311460
Denton, TX 76203

B. A. in Journalism, Cum Laude, May 2009
University of North Texas
Frank W. & Sue Mayborn School of Journalism
University of North Texas
1155 Union Circle #311460
Denton, TX 76203

PROFESSIONAL EXPERIENCE

May 2014 to present

Freelance Science Journalist, various publications including *D Magazine Front Row*, *FD Magazine*, *Denton Record-Chronicle*

Dec. 2014 to Dec 2016

Web Producer, Science Writer, xREZ Art + Science Lab, University of North Texas, 1155 Union Circle #305100, Denton, TX 76203

Aug. 2013 to Dec. 2014

Graduate Student Assistant, Dean of the Mayborn School of Journalism, University of North Texas, 1155 Union Circle #311460, Denton, TX 76203

Jan. 2013 to Dec. 2014

Editorial Assistant, College of Business, Department of Accounting, University of North Texas, 1155 Union Circle #311160, Denton, TX 76203

Aug. 2012 to Aug. 2013

Science Writer, Office of Research & Economic Development, University of North Texas, 1155 Union Circle #310979, Denton, TX 76203

Jan. 2012 to present

Graduate Student, Mayborn Graduate Institute, University of North Texas, 1155 Union Circle #311460, Denton, TX 76203

Prior Reporting Experience

Reporter, *The Rose*, Environment & City Hall, Glen Rose, TX

Contributor, *North Texas Daily*, University of North Texas, Denton, TX

PROFESSIONAL INTERNSHIPS

May 28, 2014 to July 4, 2014

Arctic Journalism Intern, *BarentsObserver*, Norwegian Barents Secretariat, Kirkenes, Norway

Jan. 2014 to May 2014

News-Editorial Intern, Arts & Culture Section, *Dallas Observer*, 2501 Oak Lawn Ave., Dallas, TX 75219

Aug. 2002 to Aug. 2003

Science Writing Intern, UNT Center for Community & Environmental Journalism

NOTABLE COURSEWORK

Business Journalism: Profiling Exxon Mobil

Science & Environmental Reporting: Zoning for Run-off Treatment from New Developments

Advanced Feature Writing: City Faces Tough Challenges as Coal Deal Ends

Investigative Reporting: Regulating Meat: Where Health Lies in the U.S. Food Supply

Independent Study: Virtual Reality in the Energy Industry

Advanced Special Problems: The Energy Transition: Energy Grids for the 21st Century

SCHOLARSHIPS & AWARDS

- **2015 Society of Professional Journalists Mark of Excellence Awards, Finalist**
Infrastructure Series Team, In-Depth Reporting (Large) 10,000+ students.
My article: "[Price of Power: Denton faces choices on energy sources as coal plant deal ends in 2018](#)" (*Denton Record-Chronicle*, May 23, 2015)
- **2014 Society of Professional Journalists Mark of Excellence Awards, First Place**
Non-Fiction Magazine Article, "[Mr. Universe, Lonely Hearts and Einstein in Love: Dennis Overbye Peers into the Personal Side of the Greatest Minds in Cosmology, Astronomy, and Physics](#)" (*Mayborn Magazine*, July 2014)
- **Mayborn Graduate Scholarship**, \$5,000 (2014-2015)
- **Jay Milner Scholarship**, Society of Professional Journalists, \$1,000 (2014-2015)
- **Outstanding Graduate Student in Art+Science** (2015)
- **Outstanding Graduate Student in Journalism** (2014)

CONFERENCE PROCEEDINGS

Ruth West, Max J. Parola, **Amelia R. Jaycen** and Christopher P. Lueg “Embodied information behavior, mixed reality and big data”, *Proc. SPIE 9392*, The Engineering Reality of Virtual Reality 2015, 93920E (March 17, 2015); [doi: 10.1117/12.2083519](https://doi.org/10.1117/12.2083519)

FORTHCOMING BOOK CHAPTER

Jaycen AJ [From Dinosaurs to Data Networks: Texas and the Arctic in the Anthropocene.](#)
Our Arctic Nation

PUBLISHED ARTICLES

**author + photographer **includes audio content*

***Jaycen AJ** (Nov. 6, 2016) [From Dinosaurs to Data Networks: Texas and the Arctic in the Anthropocene.](#) *Our Arctic Nation*

Jaycen AJ and Cantu LY (Nov.15, 2016) [Astronomy Team Brings Data to “INSTRUMENT: One Antarctic Night”](#) *OneAntarcticNight.com*

Jaycen AJ (Nov. 13, 2016) [Robotic Telescopes Enable Advanced Antarctic Observations](#)
OneAntarcticNight.com

***Jaycen AJ** (Nov. 11, 2016) [Data Processing: A Discovery Pipeline.](#) *OneAntarcticNight.com*

***Jaycen AJ** (Nov. 9, 2016) [Data Sounds: The Music of Statistics.](#) *OneAntarcticNight.com*

Jaycen AJ (Dec. 2015) [Augmenting NASA’s Mars Simulation for the Health of Astronauts: VR In Space.](#) *xREZvr.com*

Jaycen AJ, Parola MJ and Cantu LY (June 15, 2016) [Remembering Marvin Minsky: Father of artificial intelligence leaves a legacy in the history of computing.](#) *xREZvr.com*

Jaycen AJ and Parola, M (July 2016) [Presence: The most pressing problem in VR, then and now.](#)
xREZvr.com

****Jaycen AJ** (April 2016) [Ira Greenberg on “The Human Machine”.](#) *xREZLab.com*

****Jaycen AJ** (April 2016) [The Digitization of Nature and Culture.](#) *xREZLab.com*

****Jaycen AJ** (April 2016) [Art + Science. Cool! But What is It?](#) *xREZLab.com*

Jaycen AJ (May 23, 2015) [“Price of Power: Denton faces choices on energy sources as coal plant](#)

[deal ends in 2018](#)”, *Denton Record-Chronicle*

***Jaycen AJ** (Sept. 10, 2014) [James Geurts’ Work at Zhulong Isn’t Merely Large in Scale, It’s Global](#), *DMagazine.com, FrontRow Culture & Arts Blog*

Jaycen AJ (Aug. 22, 2014) [Oak Cliff Showcase Yields Unprecedented Spotlight to Performance Art](#), *DMagazine.com, FrontRow Culture & Arts Blog*

***Jaycen AJ** (July 2014) [Mr. Universe, Lonely Hearts and Einstein in Love: Dennis Overbye Peers into the Personal Side of the Greatest Minds in Cosmology, Astronomy, and Physics](#), *Mayborn magazine*.

Jaycen AJ (July 14, 2014) [Permafrost thaw cracks urban infrastructure, students dig in](#), *BarentsObserver.com*

***Jaycen AJ** (July 3, 2014) [“You can’t breathe in air with 7000 micrograms of sulfur dioxide”](#), *BarentsObserver.com*

Jaycen AJ (June 26, 2014) [Studying arctic ice from cradle to grave](#), *BarentsObserver.com*

* **Jaycen AJ** (June 23, 2014) [Climate change study heats up arctic soil](#), *BarentsObserver.com*

Jaycen AJ (July 3, 2014) [Inaugural Barents Summer School brings researchers face-to-face with local leaders](#), *BarentsObserver.com*

***Jaycen AJ** (June 16, 2014) [“Waste shouldn’t be stored in the cheapest possible way”](#), *BarentsObserver.com*

***Jaycen AJ** (June 10, 2014) [Minister of fisheries goes king crab fishing on Fish Nation tour](#), *BarentsObserver.com*

Jaycen AJ (June 3, 2014) [Greenpeace defeated in Arctic protest, considers next move](#), *BarentsObserver.com*

***Jaycen AJ** (Jan. 10, 2014) [New type of water system lets nature work](#), *Denton Record-Chronicle*

Jaycen AJ (Aug. 2013) [Advanced Imagery Brings New Angle to Wetlands Research](#), *Research.unt.edu*

Jaycen AJ (Nov. 2012) [UNT Polymer Engineers Partner with Industry Leader to Develop Advanced Coatings Technology](#), *Research.unt.edu*

Jaycen AJ (Nov. 2012) [Paula Gaetano-Adi, UNT New Media Artist, Receives Prestigious Vida Grant Award](#), *Research.unt.edu*

Multi-Media & Stand-Alone Slideshows

[REZcast: A Podcast Channel Exploring Cross Resonance; The Sounds + Voices of Art + Science + Technology + Research](#), *xREZLab.com* via SoundCloud.

Page graphics, photography, audio interviews, sound production (2016)

[UNT's first Art + Science Rendezvous hosted by xREZ Art + Science Lab](#), *xREZLab.com*

Photo slideshow (April 2016)

[Spring 2016 TxHATS Network Meeting at xREZ Art + Science Lab](#), *xREZLab.com*

Photo slideshow, graphics, page design, copy writing, 6-part event blog (April 2016)

WEBSITES

<http://www.oneantarticnight.com>, Science Journalist and Team Ethnographer

Developing new content on 2016 project activities, original reporting, produce expanded site content, graphics, design, reporting, photography.

<http://www.xrezvr.com>, Science Journalist and Web Producer

Developing website from scratch with a developer to house lab-related information about virtual reality, original reporting, graphics, photography, content development.

<http://www.xrezlab.com>, Science Journalist and Web Producer

Managing all aspects of main laboratory website including graphics development, photography, science writing, feature interviews, profiles, research, social media, bi-annual events, lab-wide meetings, protocols, and technical documentation.

<http://www.research.unt.edu>, Science Journalist

Laboratory reporting, field-reporting, feature-length profiles of researchers, award announcements, photography, editing, website development, Drupal.

<http://centerandmain.org>, Alumna & Web Producer

Website produced to showcase 10 years of writing by Archer City Writers Workshop alumni, engage the writing community at large, and engage with locals in the hometown of writer Larry McMurtry to talk about the writing craft, local history, and current issues in Archer County, Texas.

<http://runinformation.info>, Owner, Editor, and Writer

Self-produced portfolio blogsite showcasing coursework, published articles, awards, curated content, and photography.

<http://www.themayborn.com>, 2014 Contributing Writer, Web Design

The official website of *Mayborn* magazine, a publication of the Mayborn Literary Nonfiction Conference produced by the Mayborn Graduate Institute of Journalism.

Conferences & Professional Enrichment

- 2017 Fellow [Searching for Truth in the Age of Alternative Facts SEJ Workshop](#), Dallas, TX
- 2016 [National Association of Science Writers Annual Conference](#), San Antonio, TX
- 2016 [Society of Environmental Journalists 26th Annual Conference](#), Sacramento, CA
 - +[Metcalf Energy Workshop](#)
 - +[Energy Tour](#) (Energy Grid, Sustainable Development, Solar, Biodigestion)
- 2016 **Annual Mayborn Literary Nonfiction Conference**, Grapevine, TX
- 2015 **Society of Environmental Journalists 25th Anniversary Conference**, Norman, OK
 - +Data Journalism Workshop
 - +[Energy Tour](#) (Earthquakes, Fracking Injection Operations, Resident Interviews)
- 2015 [Association of Health Care Journalists: Rural Health Conference](#), Fort Worth, Texas
- 2015 **Society of Professional Journalists Region 8 Summer Workshop**
 - Water Issues and Hydraulic Fracturing
- 2014 **Society of Professional Journalists Region 8 Summer Workshop**
 - Investigative Reporting
- 2014 **Tenth Anniversary Mayborn Literary Nonfiction Conference**, Grapevine, TX
 - + Magazine Staff
- 2013 **Annual Mayborn Literary Nonfiction Conference**, Grapevine, TX
 - +Conference Planning Committee
 - +Archer City Writers Workshop
- 2012 **Computer-Assisted Reporting**, Investigative Reporters & Editors, Dallas, TX
- 2012 **Annual Mayborn Literary Nonfiction Conference**, Grapevine, TX

Professional Society Memberships

Society of Environmental Journalists
National Association of Science Writers
Investigative Reporters and Editors
Society of Professional Journalists
Texas HATS: Humanities, Arts, Technology, Sciences
American Association for the Advancement of Science