

Shannon Hall

Curriculum Vitae

Education

- 2014 – 2015 **M.A. in Science Health and Environmental Reporting (SHERP).**
New York University
- 2011 – 2013 **M.S. in Physics (Astronomy).**
University of Wyoming
- 2007 – 2011 **B.A. in Physics-Astronomy and Philosophy.**
Whitman College

Science Journalism Experience

- 2016 – 2017 **Showcase Managing Editor, COUNCIL FOR THE ADVANCEMENT OF SCIENCE WRITING (CASW).**
Manage and edit a new website that highlights award-winning science journalism.
- 2014 – 2017 **Freelance Science Journalist, SCIENTIFIC AMERICAN, NATIONAL GEOGRAPHIC, NEW SCIENTIST, SKY & TELESCOPE, DISCOVER, EOS, NAUTILUS.**
Pitch and write stories across a range of scientific topics from black holes to geysers.
- 2015 **Editorial Intern, SCIENTIFIC AMERICAN.**
Pitched and wrote stories for the magazine's front of the book news stories. Sat in on editorial meetings.
- 2015 **Editor in Chief, SCIENCELINE.**
Top edited and published every story for NYU's student-run online magazine. Ran weekly meetings. Helped the staff work toward a common goal, including a website redesign and launching a separate website with stories dedicated to a single topic.
- 2015 **Editorial Intern, NAUTILUS.**
Pitched and wrote stories across a range of scientific and philosophical topics. Also fact checked and helped with social media.
- 2015 **Editorial Intern, LIVE SCIENCE AND SPACE.COM.**
Turned over stories rapidly, edited freelance stories and joined in on daily meetings.
- 2014 – 2015 **Environment Editor, SCIENCELINE.**
Edited stories on the environment beat.
- 2014 – 2015 **Staff Writer, BEACON.**
Launched a crowd-sourced project that debunks our search for Earth 2.0. Wrote six feature length stories.
- 2014 **Editorial Intern, SKY & TELESCOPE MAGAZINE.**
Wrote nearly every story for the online news site. Sat in on editorial meetings and learned the ins and outs of publishing a monthly magazine.
- 2013 – 2015 **Staff Writer, UNIVERSE TODAY.**
Wrote about current research in astronomy, our endeavors in human spaceflight, and even climate change.

Invited Talks

- May, 2017 **From Science to Science Journalism**, SCIENCE TECHNOLOGY AND ENGINEERING POLICY SOCIETY (STEPS) ORGANIZATION, DARTMOUTH COLLEGE.
- June, 2016 **Science Media Literacy**, ASTRONOMY 101, DARTMOUTH COLLEGE.

Public Outreach Experience

- 2013 – 2014 **Performance Science Educator**, PACIFIC SCIENCE CENTER.
Interpreted exhibits and scientific concepts for guests.
- 2008 – 2014 **Planetarium Show Coordinator**, PACIFIC SCIENCE CENTER, UNIVERSITY OF WYOMING, WHITMAN COLLEGE.
Created and presented planetarium shows for pre-schoolers, college students, and the general public.

Teaching Experience

- 2014 **NSF Workshop Teacher**, UNIVERSITY OF WYOMING.
Created several lessons that teachers could use in a classroom setting.
- 2013 **Astrocamp Teacher**, UNIVERSITY OF WYOMING.
Spent 10 days working with middle school students.
- 2011 – 2013 **Teaching Assistant**, UNIVERSITY OF WYOMING.
Assisted professors with introductory and advanced physics and astronomy courses. Full responsibilities included writing labs, preparing discussion sessions, grading and tutoring.

Research Experience

- 2012 – 2013 **Master's Degree**, UNIVERSITY OF WYOMING.
Detected exoplanet atmospheres with Dr. Hannah Jang-Condell. Traveled to Harvard University and CalTech to work with collaborators.
- 2010 **University of Hawaii NSF REU**, UNIVERSITY OF HAWAII.
Conducted research in instrumentation and spectropolarimetry with Dr. David Harrington.
- 2009 **SARA NSF REU**, EAST TENNESSEE STATE UNIVERSITY.
Conducted research on polarimetry and instrumentation with Dr. Gary Henson.

Journal Articles

- M. A. DiPompeo, A. D. Myers, R. C. Hickox, J. E. Geach, G. Holder, K. N. Hainline, **S. W. Hall**, 2014, "Weighing Obscured and Unobscured Quasar Hosts with the CMB," MNRAS, in press
- T. B. Rochais, M. A. DiPompeo, A. D. Myers, M. S. Brotherton **S. W. Hall**, 2014, "Radio-Loud and Radio-Quiet BAL Quasars: A Detailed Ultraviolet Comparison," MNRAS, in press
- Harrington, D., Kuhn, J., **Hall, S.**, 2011, "Deriving Telescope Mueller Matrices Using Daytime Sky Observations," PASP, 123, 799-811
- **Hall, S.**, Henson, G., 2010, "Characteristics of an Imaging Polarimeter for the Powell Observatory," JSARA, 4, 2-6

Conference Proceedings

- Burrows, A., Myers, A., DiPompeo, M., Borowczak, M., Schwartz, A., French, D., **Hall, S.**, and Peterson, F. "Partnerships: A Systematic Study of Two Professional Developments." Poster presentation at the National Science Teachers Association Area Conferences in conjunction with the Association for Science Teacher Education. Reno, NV, October 22, 2015.
- **Hall, S.**, Jang-Condell, H., Lopez-Morales, M., Kobulnicky, H., Runnoe, J., 2013, "Detecting Exoplanet Atmospheres From 2-m Ground-Based Telescopes", AAS
- **Hall, S.**, Harrington, D., Kuhn, J., 2011, "Deriving Telescope Properties Using Daytime Observations", AAS, APS
- **Hall, S.**, Henson, G., 2010, "Characteristics of an Imaging Polarimeter for the Powell Observatory" AAS

Observing Experience

Wyoming Infrared Observatory, UNIVERSITY OF WYOMING.

20+ nights, long-slit spectroscopy.

Mayall 4-meter Telescope, KITT PEAK, AZ.

6+ nights, photometry

MDM 2.4-meter Observatory, KITT PEAK, AZ.

6+ nights, photometry

AEOS 4-meter Observatory, HALEAKALA, HI.

10+ nights, spectropolarimetry

SARA 0.9-meter Observatory, KITT PEAK, AZ.

3+ nights, photometry

ETSU 14-inch Research Telescope, TN.

20+ nights, imaging polarimetry

Member Of:

- Aircraft Owners and Pilots Association
- American Astronomical Society
- American Physical Society
- National Association of Science Writers
- Sigma Xi Scientific Research Society

Skills

- Logged 22 hours toward a private pilot license.
- Can meditate in the middle of a raucous New York City neighborhood.
- Spent 50+ nights observing the skies on some of the world's coolest telescopes.
- Know HTML, CSS, Wordpress, Javascript, D3, IDL, Latex, Excel, Gimp, Photoshop, Premiere Pro, and Illustrator.