

Haley M. Wahl

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EDUCATION

Doctor of Philosophy in Physics , West Virginia University	Expected August 2022
Master of Science in Physics , West Virginia University	December 2019
Bachelor of Science in Physics , University of Vermont	May 2017

SCIENCE WRITING AND OUTREACH EXPERIENCE

American Astronomical Society (AAS) , AAS Media Fellow	October 2021 – Present
<ul style="list-style-type: none">Regularly publish short summaries of scientific articles for AAS NovaDistribute astronomy press releases via the AAS Press Office channelsAssisted the AAS press officer in running eight press conferences during the winter AAS meeting, which included hosting, Q&A moderation, and posting press releases	
Science Communicator , #PulsarFriday	April 2021 – Present
<ul style="list-style-type: none">Put together Twitter threads and posts every other Friday on various topics related to pulsar science	
Writer , Pulsars and Profiteroles Project	June 2020 – Present
<ul style="list-style-type: none">Self-publish posts about baking and pulsar science using Weebly	
Staff Writer , Astrobites	January 2019 – January 2021
<ul style="list-style-type: none">Wrote 12 articles (800-1200 words each) discussing recent astrophysics papers from various fields using WordpressWorked with a team live-tweet and live-blog sessions during two AAS meetingsCoordinated and edited guest posts in Wordpress and Google DocsServed as the chair of the editorial committee from June 2019 – June 2020Conceptualized and implemented stylistic standards that ensured consistency within posts	
Planetarium Assistant , West Virginia University	May 2018 – January 2020
<ul style="list-style-type: none">Presented public shows and field trips for groups of 5-60 people of various age groupsManaged the website and the Twitter and Facebook accountsWrote the quarterly newsletter and distributed using MailChimpCreated new 5-10 minute introductions on the night sky and tailored each to different audiencesManaged reservations using Machform	
Volunteer Science Speaker , Skype-a-Scientist	August 2018 – January 2020
<ul style="list-style-type: none">Matched with 8 classrooms of various K-12 groups and answered student astronomy-related questions	
Principle Investigator , Arecibo Telescope proposals	November 2018, November 2019
<ul style="list-style-type: none">Wrote 2 successful proposals to obtain a total of 7 hours of telescope time on the Arecibo Telescope as part of my dissertation research	

SELECTED PUBLICATIONS

H. Wahl, M.A. McLaughlin, P. Gentile, et al. “NANOGrav 12.5-Year Data Set: Polarimetry and Faraday Rotation Measures from Observations of Millisecond Pulsars with the Green Bank Telescope.” *ApJ*, *accepted*.

T. Olszanski, J. Rankin, A. Venkataraman, **H. Wahl**. “Radio Pulsar Emission Beam Geometry of Broadband Arecibo Sources.” *MNRAS*, *submitted*.

“Electromagnetic Radiation” chapter, *Encyclopedia of Lunar Science*. Springer International Publishing, 2023.

H. Wahl, D.J. Orfeo, J. Rankin, J. Weisberg. “Quasi-Periodicities in the Anomalous Emission Events in Pulsars B1859+07 and B0919+06.” *MNRAS*, 2016.

LEADERSHIP EXPERIENCE

Co-Chair, NANOGrav Education and Public Outreach Working Group September 2021 – Present

- Host biweekly working group telecons to discuss current outreach efforts
- Attend monthly telecons with other working group chairs to facilitate collaboration between working groups within NANOGrav

President, WVU Graduate and Professional Student Senate September 2017 – May 2021

- Advocated for graduate students throughout the university in meetings with the administration
- Elected president of the senate in May 2019 and May 2020
- Obtained a raise in the minimum summer stipend for graduate students in Eberly College after hearing about a sudden change from constituents (which involved multiple meetings with the dean of the college)
- Worked closely with the Office of Graduate Education and Life to organize events for graduate students

AWARDS

NASA WV Space Grant Consortium Graduate Research Fellowship May 2020 – May 2021

Albert D. Crowell Award for Undergraduate Excellence May 2017

UVM Sikora Women in Science Research Fellowship Summer 2016