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# ASA STAHL

Astrophysicist, Award-winning Author, and Science Communicator  
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## PUBLISHED BOOKS

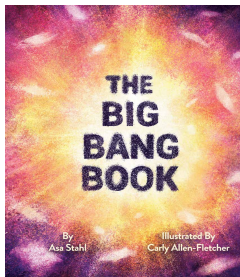
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### [Picnic Planet: A Lunchtime Guide to Your Galaxy's Exoplanets](#)

Creston Books, Fall List 2023

+ Booklist Starred Review  
(Awards announced Spring 2024)



### [The Big Bang Book](#)

Creston Books, Spring List 2020

+ Outstanding Science Trade Book 2021(NSTA-CBC)  
+ Children's And Young Adults' Book Awards Honor (ILA)  
+ Ezra Jack Keats Award Honoree  
+ Sakura Medal Finalist

*NSTA-CBC: National Science Teacher's Association – Children's Book Council*  
*ILA: International Library Association*

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## SCHOLARSHIP

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### [PhD Thesis](#)

+ Stahl, A. G. (2023). Characterizing Young Stellar Systems and their Suitability for Radial Velocity-Driven Exoplanet Detection [Doctoral dissertation, Rice University]. Rice University Digital Scholarship Archive. [scholarship.rice.edu/handle/1911/115074](https://scholarship.rice.edu/handle/1911/115074).

## Journal Publications

- + Tang, S.Y., **Stahl, A. G.**, et al. (2023). Star-Crossed Lovers DI Tau A and B: Orbit Characterization and Physical Properties Determination. *The Astrophysical Journal*, 950, 92.
- + **Stahl, A. G.**, et al. (2022). Follow-up of Young Stars Identified with BANYAN Sigma: New Low Mass Members of Nearby Moving Group. *The Astrophysical Journal*, 941, 101.
- + **Stahl, A. G.**, et al. (2021). IGRINS RV: A Precision RV Pipeline for IGRINS Using Modified Forward-Modeling in the Near-Infrared. *The Astronomical Journal*, 161, 283.
- + Mann, A.W., Wood, M.L., [et al., including **Stahl, A. G.**] (2021). TESS Hunt for Young and Maturing Exoplanets (THYME) VI: an 11 Myr giant planet transiting a very low-mass star in Lower Centaurus Crux. *The Astronomical Journal*, 163, 156.
- + Tang, S.Y., **Stahl, A. G.**, et al. (2021). IGRINS RV: A Python Package for Precision Radial Velocities with Near-Infrared Spectra. *The Journal of Open Source Software*, 6(62), 3095.

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## SCIENCE COMMUNICATION

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### AAAS Mass Media Fellow | Science News

June – August 2022

Washington, DC

- + Wrote articles on topics ranging from gravitational waves to dead spider robots
- + Reported short and long-form news, profiles of scientists, and historical retrospectives
- + Collaborated with digital team to write scripts for Tiktok and Youtube videos
- + Pitched dozens of science news stories and interviewed over 40 scientists
- + Fact-checked other authors' stories

### Freelance Writer | Various Publications

October 2019 – present

- + Contributed weekly articles on astrophysics and space exploration news for the [Houston Chronicle](#)
- + Wrote multimedia stories on the Solar System and NASA missions for [Google Arts & Culture](#)
- + Published two astronomy trade children's books with [Creston Books](#)
- + Bylines in [Sky & Telescope](#), [APS News](#), and [shelf-awareness.com](#)
- + Covered over 40 stories to date

### Co-chair | Communicating Science Conference (ComSciCon)

2021 – 2022

### Treasurer |

2018 – 2021

- + Planned conferences to provide professional development and community for graduate student science communicators
- + Solicited tens of thousands of dollars in funds from private and public institutions
- + Designed conference programming and recruited speakers from around the country
- + Widened attendee population to draw from 10 different Texas universities
- + Handled logistics of conferences such as food, lodging, rental equipment, and transportation

### Writing Instructor | Rice University

August – December 2021

Houston, TX

- + Proposed, designed, and taught writing course *Shaping the Future: Dilemmas of Science and Society*

### Freelance Editor | Self-Employed

June 2009 – August 2014

Berkeley, CA

- + Edited middle-grade novels; acknowledged in 4 books, including a dedication

## Selected Articles

[Megatooth sharks may have been higher on the food chain than any ocean animal ever](#)

*Science News*, June 29, 2022

[Gravitational wave 'radar' could help map the invisible universe](#)

*Science News*, June 22, 2022

[The Solar System's Predicted Past and Ultimate Future](#)

*Google Arts & Culture*, September 13, 2022

[This Week in Space: How To Deflect An Asteroid with a SpaceX Rocket](#)

*chron.com*, July 7, 2021

[The True Nature of the Candidate ET Signal From Proxima Centauri](#)

*Sky & Telescope*, October 28, 2021

Full list of published science communication content is available [here](#).

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## EDUCATION

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### PhD, Astrophysics | Rice University

2017 – 2023

Houston, TX

- + Searching for planets around young stars to help inform models of planet formation
- + PI on 10 successful telescope proposals to monitor targets of interest
- + Teacher Assistant for observational astronomy labs, intro physics labs, and stellar physics course
- + [William and Elva Gordon Fellowship award](#) for academic and research achievement
- + [Kevin E. Strecker Award](#) for outstanding research
- + [Faculty Initiatives Fund award](#)

### BS, Physics | Johns Hopkins University

2013 – 2017

Baltimore, MD

- + Isolated the possible ionization sources of Low Ionization Nuclear Emission Region galaxies
- + [Provost's Undergraduate Research Award](#)

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## SERVICE

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### Volunteer | Various

June – August 2023

- + Assisted family-run vineyards, farms, and lodges recovering from pandemic

### Manager | Valhalla

2019 – 2021

- + Managed non-profit graduate student bar and [historic institution](#) with 100+ employees
- + Oversaw hiring decisions and cultural shifts to foster a more inclusive space regardless of race, sex, school, or affiliation with Rice (e.g. custodians versus lab technicians)
- + Administered finances, oversaw purchases, planned social and cultural events
- + Maintained solvency throughout year-long pandemic closure despite zero income

### Co-founder, Vice President | JHU Flash Seminars

2014 – 2017

- + Organized dozens of informal STEM seminars to [connect students](#) with faculty across disciplines

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## SELECTED PRESENTATIONS

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- + *The Big Bang Book* Reading and Q&A, Westbury Methodist Day School, April 5, 2022
- + *IGRINS RV: An Open-Source Python Pipeline for Precision Near-Infrared RVs*, Emerging Researchers in Exoplanet Science, May 25, 2021 (virtual)
- + *The Big Bang Book* Reading and Q&A, Lafayette Library, March 10, 2021 (virtual)
- + *The Big Bang Book* Reading and Q&A, Chiyoda International School Tokyo, September 11, 2020 (virtual)
- + *Discovering Young Stars and Planets*, McDonald Observatory, November 19, 2019
- + *Detecting Planets Around Young Suns*, Science in a Flash, Rice University, November 2, 2018