





Sophia Ridolfo

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EDUCATION

Harvard University

Ph.D. in Astronomy and Astrophysics

Fulbright Scholar

Cambridge, MA, USA

2024 – Present

Australian National University

Bachelor of Science (Advanced) (Honours), Major in Astronomy and Astrophysics, Minor in Mathematics

Bok Honours Scholar, First Class Honours, Chancellor's Commendations

Canberra, Australia

2023

EXPERIENCE

Center for Astrophysics | Harvard & Smithsonian

Graduate Researcher

Cambridge, MA, USA

Aug 2024 – Present

Centre for Astrophysics and Supercomputing, Swinburne University of Technology

Summer Research Scholar

Melbourne, Australia

Nov 2022 – Feb 2023

Australian National University

Research Assistant (Workforce Diversity Modelling)

Canberra, Australia

Sep 2021 – Oct 2022

Australian National University

Research Assistant (Astronomy and Astrophysics)

Canberra, Australia

Feb 2020 – Nov 2022

Australian National University

Student Ambassador

Canberra, Australia

Feb 2020 – Nov 2022

Commonwealth Scientific and Industrial Research Organisation (CSIRO)

Summer Research Scholar

Perth, Australia

Nov 2020 – Feb 2021

Australian National University

Research Intern

Canberra, Australia

Nov 2019 – Feb 2020

AWARDS, GRANTS & HONOURS (SELECTED)

Fulbright PhD Fellowship (<i>flagship US-Australian fellowship with full 5-years funding of a US PhD</i>)	2024 – 2029
Chancellor's Letter of Commendation (<i>awarded for a GPA of 7.0/7.0 in a year</i>)	2024
Best Speaker Runner-up and Highly Commended, ANU Student Research Conference	2023
Research Conference Travel Grant, ASTRO-3D	2023
Bok Honours Scholarship in Astronomy and Astrophysics (<i>awarded to an outstanding honours student</i>)	2023
Undergraduate Research Experience Scholarship, Swinburne University of Technology	2022
Highly Commended Winner, Global Undergraduate Awards (<i>top 5 entry globally in Mathematics & Physics</i>)	2022
Invited Keynote Speaker, Australasian Conference for Undergraduate Research	2021
Undergraduate Research Experience Scholarship, CSIRO Astronomy and Space Science	2020

PUBLICATIONS

- Reichardt Chu B. et al. (incl. **Ridolfo S.**), *DUVET: sub-kiloparsec resolved star formation driven outflows in a sample of local starbursting disk galaxies*. 2024, Mon. Not. R. Astron. Soc., arXiv:2402.17830
- Grasha K., Chen Q. H., Battisti A. J., Acharyya A., **Ridolfo S.**, et al., *Metallicity, ionization parameter, and pressure variations of HII regions in the TYPHOON spiral galaxies: NGC 1566, NGC 2835, NGC 3521, NGC 5068, NGC 5236, and NGC 7793*. 2022, The Astrophysical Journal, 929, 118.

LEADERSHIP & OUTREACH

Conference Ambassador, ANU Student Research Conference	2022
Conference Organising Committee, Australasian Conference for Undergraduate Research	2021
Advisor and Speaker, Young Stars Outreach Program	2020 – 2021
President (2021 & 2022), Vice-President (2020), First-year Rep. (2019), ANU Astronomy Society	2019 – 2022
President (2021), Secretary (2020), First-year Rep. (2019), ANU Physics Society	2019 – 2021