






Sophia Ridolfo

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EDUCATION

Harvard University

Ph.D., 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

Dec 2023

EXPERIENCE

Center for Astrophysics | Harvard & Smithsonian

Graduate Research Fellow

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

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

Fulbright PhD Fellowship (*flagship US-Australian fellowship with full 5 years funding of a US PhD*) 2024 – 2029

Chancellor's Letter of Commendation, Australian National University (*7.0/7.0 GPA in a year*) 2024

Best Speaker Runner-up and Highly Commended (Honours Category), ANU Student Research Conference 2023

Research Conference Travel Grant, ARC Centre of Excellence for All-Sky Astrophysics in 3D (ASTRO-3D) 2023

Bok Honours Scholarship in Astronomy and Astrophysics 2023

Undergraduate Research Experience Scholarship, Swinburne University of Technology 2022

Highly Commended Winner, Global Undergraduate Awards (*top 5 entry globally in Mathematics & Physics*) 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, MNRAS (submitted), 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, SERVICE & 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 – 2022

Student Ambassador, Australian National University 2020 – 2022

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