

Giorgia Zullo

🏠 Calderara di Reno (BO), Italy
🏛️ Dipartimento di Fisica e Astronomia “Augusto Righi”–Università di Bologna, via Gobetti 93/2, I-40129 Bologna, Italy
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🎂 1 December 2001
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Summary. PhD candidate in Astrophysics at the University of Bologna. Research focused on the photometric analysis of resolved stellar populations in the Galactic bulge using observations from the *Hubble Space Telescope* and the *James Webb Space Telescope*. Activities include crowded-field photometry, proper-motion measurements, differential reddening corrections, and stellar population modelling.

Academic Positions

2025 – ⋯ 🏛️ **Ph.D. Candidate in Astrophysics**, Department of Physics and Astronomy “A. Righi”, University of Bologna.
Research activity focused on crowded-field photometry, proper-motion analysis, differential reddening corrections, and stellar population modelling in Galactic bulge systems.

Education

- 2025 – ⋯ 🎓 **Ph.D. in Astrophysics, University of Bologna.**
Research topic: *GENESIS: Characterizing the primordial structures in the heart of the Galaxy with JWST*
- 2023 – 2025 🎓 **M.Sc. in Astrophysics and Cosmology, University of Bologna.**
Thesis title: *JWST observations of the stellar system Terzan 5 in the Galactic Bulge.*
Supervisor: *Prof. Francesco R. Ferraro.*
Co-supervisors: *Dr. Cristina Pallanca, Prof. Barbara Lanzoni.*
Final grade: *110/110 cum laude.*
- 2020 – 2023 🎓 **B.Sc. in Astronomy, University of Bologna.**
Thesis title: *Matter in degenerate conditions: physics and astrophysical applications.*
Supervisor: *Prof. Marcella Brusa.*
Final grade: *110/110 cum laude.*

Awards

- 2025 🏆 **Best Master’s Thesis Award**, Department of Physics and Astronomy “A. Righi”, University of Bologna.
Selected among the winners of the competition for the best Master’s theses in Physics-area M.Sc. programs (*Astrophysics and Cosmology* and related fields) defended between October 2024 and September 2025.
- 2020 – 2021 🏆 **National Scholarship for Strategic Academic Disciplines**, Ministry of University and Research, Italy.
Awarded through a competitive national selection process for enrollment in degree programs in strategically prioritized academic fields.

Outreach

02/2023 – 07/2023 📖 **Museum Guide Internship**, SMA Sistema Museale di Ateneo, Museo della Specola, University of Bologna, Bologna, Italy.
Guided tours and astronomy outreach activities for schools and the general public.

Skills

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|-----------------------|---|
| Programming |  Python, Fortran. |
| Astronomical software |  DAOPHOT, JWST calibration pipeline, DS9. |
| Data analysis |  Crowded-field photometry, proper-motion analysis, differential reddening corrections, stellar population modelling. |
| Languages |  Italian (native), English (fluent, C2), French (B2). |

Other Activities

- 2019 –  **Restaurant sector experience.**
Customer service and staff coordination, including management of service flow, team coordination, and client interaction.