



Dr. Chentao Yang

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 Total citations: 1046 H-index: 19

As a trained **astrophysicist**, I have a solid foundation in **math** and **physics**. My hands-on experience in astrophysics has sharpened my data analysis skills and scientific exploration spirits. I'm naturally **curious** and versed in dissecting complex problems. This enables me to balance intricate details with big-picture perspectives.

PERSONAL

Date of birth May 1988
Nationality China

LANGUAGE

Mandarin	Native
English	Full proficiency
French	Elementary
Swedish	Beginner
Spanish	Beginner

INTERESTS

Philosophy, Fiction, Science
 Jazz, Classic, Soundtrack
 Hiking, Citywalk
 Sci-fi, Indie, Mystery

QUICK FACTS

50+ publications in top international journals, **1000+** citations
5+ GitHub projects, **50+** stars (Bayesian/frequentist statistics, MCMC, graphic design)
12+ Oral presentations in international conferences (including invited)
500+ award PI observing telescope time from **30+** proposals.

WORK EXPERIENCE

Chalmers tekniska högskola (2021-current)
Postdoctoral Researcher in astrophysics

- Analyzed large interferometric radio data sets of galaxies.
- Visualized images and related physical parameters.
- Quantified data and interpreted results via mathematical & physical models.
- Led international teams in conducting independent complete research projects.

European Southern Observatory, ESO (2017-2021)
Joint ALMA Observatory (2017-2021)
Postdoctoral Fellow in astrophysics

- Stationed at ESO Chile, a leading center for astronomical research.
- Astronomy duties at ALMA, the most advanced ground-based telescope.
- Independent research from ideas to publications.

EDUCATION

Université Paris-Saclay (2014-2017)
(Top 20 in Academic Ranking of World Universities)
PhD in astrophysics

University of Chinese Academy of Sciences (2013-2017)
(Top 70 in Academic Ranking of World Universities)
PhD in astrophysics

Beijing Normal Univesity (2010-2013)
Master in astrophysics

Beijing Normal Univesity (2006-2010)
Bachelor in astronomy
(Graduate with distinguished honour, all universities in Beijing)

SKILLS

Operating Systems: current versed

Languages: **Shell** (Unix/Linux), **Python** (NumPy, Pandas, Matplotlib, ...) **Julia**, **IDL**, **FORTRAN**, **MATLAB**

Softwares: VS Code, Jupyter Lab, Git, \LaTeX , Obsidian, Adobe Illustrator, MS Office...

Teamwork	Project management	Attentiveness
Problem-solving	Programming & Data Viz	Data intuition

AWARDS

Several Scholarships and Funding Awards

- Scholarship of National Astronomical Observatory of China
- National Undergraduate Innovative Test Program Grant (10k CNY)
- ESO Science Support Discretionary Fund (9k EUR)
- The LIA-Origins Short Visit Program Grant (3k EUR)

Fellowship

- ESO Fellowship (Chile)