

Chentao Yang

Dr. of astrophysics

 Göteborg, Sweden  +46 72 872 8542
 www.cyang.pro  yangcht@gmail.com
 github.com/yangcht
 www.linkedin.com/in/yangcht
 Total citations: 1046 H-index: 19

As a trained **astrophysicist**, I have a solid foundation in **math** and **physics**. My 10+ years experience in observational astrophysics research has sharpened my data analysis skills and scientific exploration spirits. I'm **curious** and versed in dissecting complex problems, while maintaining the balance intricate details with big-picture perspectives.

TOOLSET

OS:      





Shell (Unix/Linux), Julia, FORTRAN,
Lang: IDL, Python (NumPy, Pandas, Astropy, Matplotlib, ...), Matlab, Mathematica

VS Code, Jupyter Lab, Git, \LaTeX , LyX,
S/W: Obsidian, Adobe Illustrator, FontLab
MS Office (Excel, PowerPoint)...

LANGUAGE

English	Full proficiency
Mandarin	Native
French	Elementary
Swedish	Beginner
Spanish	Beginner

INTERESTS

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

QUICK FACTS

- **50+ Research Publications** in top international journals, with **1000+ Citations**, several public press releases.
- **5+ GitHub Projects, 50+ Stars** (using programming, Bayesian/frequentist statistics, MCMC, graphic design).
- **12+ Oral Presentations** in prestigious international conferences (including invited).
- **500+ hours Awarded PI Observing Telescope Time** from 30+ proposals.

WORK EXPERIENCE

Postdoctoral Researcher in astrophysics (2021-current)

Chalmers tekniska högskola

- Analyzed large interferometric radio data sets of galaxies.
- Creative visualization of astronomical images and related physical parameters.
- Quantified data and interpreted results via mathematical & physical models.
- Leadership in international team for independent complete research projects.

Postdoctoral Research Fellow in astrophysics (2017-2021)

European Southern Observatory (ESO)/Joint ALMA Observatory

- Prestigious fellowship in the leading astronomical research center, ESO (Chile).
- Hands-on with the most advanced ground-based observatory, ALMA.
- Independent research from ideas to publications.
- Leading international collaborations.

EDUCATION

PhD in Astrophysics (dual-diploma)

Université Paris-Saclay (2014-2017)

(Top 20 in Academic Ranking of World Universities)

University of Chinese Academy of Sciences (2013-2017)

(Top 70 in Academic Ranking of World Universities)

Master in Astrophysics

Beijing Normal Univesity (2010-2013)

Bachelor in Astronomy

Beijing Normal Univesity (2006-2010)

(Graduate with distinguished honour, at both university and municipality levels)

SKILLS

Team work, Effective communication, Project management, Programming, Creative data visualzation, Data intuition, Problem-sovling, Critical thinking, Curiosity

AWARDS

Several Scholarships and Funding Awards

- NAOC (National Astronomical Observatory of China) Scholarship
- 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), 4-year independent research funding