



Dr. Chentao Yang

- 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 strong 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.

Teamwork

Project management

Problem-solving

Data intuition

Curiosity

Programming & Data Viz

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 University (2010-2013)

Master in astrophysics

Beijing Normal University (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...

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)