



# JURJEN DE JONG

Radio astronomer | Data scientist

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Leiden, the Netherlands

## LANGUAGES

Dutch ★★★★★  
English ★★★★★  
German ★★☆☆☆☆  
Swedish ★☆☆☆☆  
French ★☆☆☆☆

## TECH STACK

### Operating systems:

Linux, Windows

### Programming languages:

Python, Bash, R, Julia, SQL, Rust

### Database management:

MySQL, MongoDB

### Workflow/cluster management:

HPC, Slurm, CWL, Toil

### Machine learning:

scikit-learn, Keras, Tensorflow, PyTorch

### DevOps tools:

Singularity, Docker, version control (Git)

### Project management experience:

Scrum, Jira, Trello

### Other:

Tableau, SolidWorks, LaTeX

Radio astronomer and data scientist with a background in various fields and industries. Obtained international experience by studying, working, and living in different countries. Eager to delve into, analyse, and tackle challenges, with the aim of creating a positive impact on humanity, nature, and our planet.

## Experience

- 2017–2017  
**Mechanical Engineer**  
EPPM (Tunisia)  
Calculated stresses of lifting lugs
- 2017–2020  
**Science writer**  
Scientias  
Wrote about science and technology
- 2018–2019  
**Astronomer**  
European Space Agency  
Studied distances between stars
- 2019–2021  
**Data scientist**  
Matrixian Group  
Developed data products and machine learning-driven data models
- 2021–2027  
**Radio astronomer**  
Leiden Observatory  
Developing calibration and imaging pipeline to study radio galaxies

## Education

- 2012–2015  
**Mathematics (bachelor)**  
Utrecht University  
Minor: History/philosophy of science
- 2013–2015  
**Physics (bachelor)**  
Utrecht University  
Thesis: Study of ancient Indian astronomy
- 2015–2017  
**Mathematics (master)**  
Ghent University  
Thesis: Fox-H functions
- 2017–2018  
**Space Studies (master)**  
Leuven University  
Thesis: Benford's law in Gaia DR2
- 2021–2025  
**Astronomy (PhD)**  
Leiden Observatory  
Thesis: TBD

## Other activities

- Founder of Stamily ([www.stamily.org](http://www.stamily.org))
- Presented at several major (astronomy/stuttering) conferences
- First-author of 6 scientific papers and co-author on several other papers (ORCID: [0000-0001-6876-8719](https://orcid.org/0000-0001-6876-8719)).
- Awarded with an NWO computing grant (2024)
- Awarded with a scholarship from Leids Kerkhoven-Bosscha Fonds (2021)
- Awarded with a scholarship by Flanders Trainee Programme (2018)