JURJEN DE JONG
Astronomer | Data scientist

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Leiden, the Netherlands

LANGUAGES

Language	Rating
Dutch	★★★★★
English	★★★★★
German	★★☆☆☆
Swedish	★☆☆☆☆
French	★☆☆☆☆

TECH STACK

Python, Bash, R, LaTeX, Tableau SolidWorks, Tensorflow, PyTorch, Docker, Singularity, scikit-learn, Slurm, radio astronomy software, and more

PUBLICATIONS

de Jong et al. 2023, in prep.
Deepest ELAIS-N1 radio map at low freq.

de Jong et al. 2022, in prep.
Cosmic evolution of FRI and FRII to z=2.5

de Jong et al. 2022, A&A, Vol. 668, 19 pp.
Deep study of A399-401

de Jong et al. 2020, A&A, Vol. 642, 16 pp.
Benford's law in the Gaia Universe

Astronomer and Data scientist with a background in various fields and industries. Obtained international experience by studying, working, and living in different countries. Love to analyse, create, improve, explore, and search for challenges. Motivated to contribute to things that make a positive impact.

Experience

2017–2017
Mechanical Engineer
EPPM (Tunisia)
Calculated stresses of lifting lugs

2017–2020
Popular science writing
Scientias
Wrote about science and technology

2018–2019
Astronomer
European Space Agency
Math study of distances between stars

2019–2021
Data scientist
Matrixian Group
Developing data products and machine learning-driven data models

2021–2025
Radio astronomer
Leiden Observatory
Developing calibration and imaging pipeline

Education

2012–2015
Mathematics (bachelor)
Utrecht University
Minor: history/philosophy of science

2013–2015
Physics (bachelor)
Utrecht University
Thesis: 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

2021–2015
Astronomy (PhD)
Leiden Observatory
Thesis: TBD

Other

- Founder of Stamily (www.stamily.org)
- Co-founder Asbronomers (astronomy blogs/vlogs)
- Completed additional courses in:

Science communication, Earth observation, Basic Chinese language and culture, Data Science traineeship