



JURJEN DE JONG

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

Database management:
MySQL, MongoDB

Workflow/cluster management:
HPC, Slurm, CWL

Machine learning:
scikit-learn, Keras, Tensorflow, PyTorch

DevOps tools:
Singularity, Docker, version control (Git)

Other:
Tableau, SolidWorks, LaTeX

PUBLICATIONS

de Jong et al. 2023, in prep.
Deepest ELAIS-N1 radio map at low freq.
de Jong et al. 2022, accepted
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

(note: only first-authored papers are listed)

(Data) scientist with a background in various fields and industries. Obtained international experience by studying, working, and living in different countries. Passionate to explore, analyse, and resolve challenges. Eager to contribute to endeavors that make 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
- 2021–2025
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
- 2021–2015
Astronomy (PhD)
Leiden Observatory
Thesis: TBD

Other

- Founder of Stamily (www.stamily.org)
- Co-founder Asbronomers (astronomy blogs/vlogs)
- Presented at several major (astronomy/stuttering) conferences
- Completed additional courses in:
Science communication, Earth observation, Basic
Chinese language and culture, Data Science traineeship