

Darío González Picos

PHD ASTRONOMY STUDENT

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Education

Leiden Observatory / Leiden Universiteit

PHD ASTRONOMY

- Title: Linking formation pathways and atmospheric composition of Super-Jupiters via the CO isotopologue ratio.
- Advisor: Prof. Dr. I.A.G Snellen

Leiden, The Netherlands

February 2023 -

Leiden Universiteit

MASTER OF SCIENCE IN ASTRONOMY RESEARCH, 8/10

- 120/120 ECTS

Universitat de Barcelona

BACHELOR OF SCIENCE IN PHYSICS, 7.6/10

- 240/240 ECTS
- **Lund Universiteit**, Lund, Sweden — *Semester Abroad Autumn 2019*

Leiden, The Netherlands

February 2021 - January 2023

Barcelona, Spain

July 2020

Skills

Python in Astronomy	Experienced in data reduction, physical modelling, image processing, data visualisation.
Observational Astronomy	Capable of planning and conducting observations, submitting proposals and reducing telescope data.
Research	Independent and highly motivated student, advanced Latex user.
Languages	Spanish and Catalan (Native), English (C2) and German (B1).

Experience

Leiden Universiteit

STUDENT TEACHING ASSISTANT

- Tutoring the weekly problem sessions for the third-year course of *Radiative Processes in Astrophysics* from the Leiden BSc. Astronomy.

Leiden, The Netherlands

February 2022 - June 2022

Isaac Newton Group of Telescopes

STUDENT SUPPORT ASTRONOMER

- Performed the role of Support Astronomer and Telescope Operator at the 2.5-m Isaac Newton Telescope at Observatorio Roque de Los Muchachos for +40 nights. Conducted observations for remote PIs and supported visiting observers for a wide range of scientific purposes.

La Palma, Spain

Sept. 2020 - Sept. 2021

Projects

High-Resolution Cross-Correlation Emission Spectroscopy in the Ultra-Hot Jupiter WASP-189 b

MASTER'S RESEARCH PROJECT

Supervisor: I.A.G Snellen

Leiden Observatory

January 2022 - December 2022

Looking for Circumplanetary Disks in ASAS-SN

FIRST RESEARCH PROJECT

Supervisors: M.A. Kenworthy, D. van Dam

- Second-author in a paper as a continuation of the project: *The Eclipse of V773 Tau B circumbinary disk* — M.A. Kenworthy, D. González-Picos et al. 2022.

Leiden Observatory

February 2021 - December 2021

Characterising Exoplanetary Atmospheres with ARIEL

BACHELOR'S THESIS

Supervisors: C. Jordi, I. Ribas, G. Anglada-Escudé

Universitat de Barcelona / Institut

de Ciències de l'Espai

January 2019 - July 2020