

Education Formação

- Doctor's Degree in Astronomy Programa doutoral em Astronomia: **date1** - now Presente Instituto de Astrofísica e Ciências do Espaço (IA) Instituto de Astrofísica e Ciências do Espaço (IA) + Faculdade de Ciências da Universidade do Porto (FCUP) Faculdade de Ciências da Universidade do Porto (FCUP)
- Master's in Physics Engineering Mestrado Integrado em Engenharia Física: **date2** - **date3** Faculdade de Ciências da Universidade do Porto (FCUP) Faculdade de Ciências da Universidade do Porto (FCUP)

Technical Skills TBD

- **Languages:** Python, LabView
- **Tools/Frameworks:** Numpy, OpenCv, Matplotlib, Flask, Latex, Git, Sphinx, Parallel programming, Gaussian Processes, MCMC, Genetic Algorithms
- **Familiar:** R, C++, Matlab, HTML, CSS, SQL, Verilog, Java

Experience TBD

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- **Msc Thesis: An expansion to the CHEOPS mission official pipeline (Jan - Sep 2019)**
Development of an expansion to the official data reduction pipeline of the CHEOPS mission, allowing for the extraction of light curves from background stars in the images. The resulting light curves were also modelled using Gaussian Processes, with the goal of retrieving planetary parameters; *Grade:* 19/20
- **IFIMUP: Extra curricular Internship (Feb 2017 - Aug 2018)**
Development of software to collect and analyse data from triboelectric materials. The delivered software allowed manual and fully autonomous data acquisition, as well as an integrated tool to process the data.
- **IFIMUP: Extra curricular Internship (Feb 2016 - Aug 2017)**
Expanded a device used to test triboelectric materials. A new device was designed, tested and built during the course of the project. Afterwards, the device was used on some test runs, showing nominal functioning.
- **Follow Inspiration: Summer Internship (Jul - Sep 2017)**
Development of software for analyzing number of people in the field of view of the cameras mounted on their robots.

First-author Publicações como primeiro autor

- **SBART** Paper
- **Archi** Paper

Co-author publications

Publicações como co-autor	<ul style="list-style-type: none"> • Y2023TOI244 • Y2023gj1002 • ProximaD2022 • kobesim2022 • Kobe2022 • Y2022TellCorr • Y2021HD22496
Talks Comunicações	<ul style="list-style-type: none"> • talkTOE3 • talkEPRV5 • talkEspressoF2f • talkEXO4 • talkIAON8 • archicookieseminar2020
Posters Posters	<ul style="list-style-type: none"> • Poster5 • Poster4 • Poster3 • Poster2 • Poster1
Supervision Supervisão	<ul style="list-style-type: none"> • JoseLino2023 • PedroAfonso2022 • MafaldaMatos2020
Grants Financiamento	<ul style="list-style-type: none"> • FLAD grantBolsa da FLAD (PAPERS 4 USA) to participate in EPRV5, organized inpara participação na EPRV5, organizada em Santa Bárbara, CA, USA; • PhD fellowship fromBolsa de Doutoramento de Fundação para a Ciência e Tecnologia (FCT): "A new paradigm for the estimation of precise stellar radial velocities: towards the development of an innovative data analysis software"; Ref: 2020.05387.BD – Jan. 2021 - nowPresente • Research fellowship in the field of Planetary Systems atBolsa de investigação no campo de Sistemas Planetários no Instituto de Astrofísica e Ciências do Espaço (IA). Ref: CIAAUP-28/2019_BI – Nov 2019 - Nov 2020 • Bolsa de Iniciação científica no campo de Astrofísica Computacional noScientific Initiation Studenship in the field of Computacional Astrophysics at the Instituto de Astrofísica e Ciências do Espaço (IA). Ref: CIAAUP-11/x019-BIC – Apr - Sep 2019
Teaching duties Cursos ensinados	<ul style="list-style-type: none"> • CoursesPython2 • CoursesPython1

**Observing
Experiência de
observação**

- Campanha de observação (AOT47) com o Observing run (AOT47) from HARPS-N (**date4**)
- Duas (2) noites de observações "dVM" com o ESPRESSO Two (2) nights of dVM observations with ESPRESSO (**date5**)

Committees

- Part of the local organization committee of the *Porto MW-Gaia WG3 Workshop: Exoplanets in the era of Gaia*. Part of the local organization committee of the *Porto MW-Gaia WG3 Workshop: Exoplanets in the era of Gaia*.

**Outreach
Divulgação**

- **ignite2023**
- **EspacoVaiEscola23**
- **EspacoVaiEscola22**