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🌐 Kamuish




🌐 <https://kamuish.github.io/content/>

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Employment History



- 2014 –  **Community Witch**, Village of Frying Pans.
- 2013 – 2015  **Lecturer**. Information Technology Department, School of Engineering, Science and Technology, XYZ College.

Education




- 2009 – 2013  **Ph.D., Unseen University** High Energy Magic.
Thesis title: *Low-Cost Mana Generation in Under-Resourced Environments*.
- 2003 – 2006  **M.Sc. Computer Science, Unseen** in High Energy Magic.
Thesis title: *Applying ant algorithms in automatic design of novel magic charms*.
-  **M.Sc. Computer Science, Unseen** in High Energy Magic.
Thesis title: *Applying ant algorithms in automatic design of novel magic charms*.



Research outputs

First-author Papers

- 1 **A. M. Silva**, J. P. Faria, N. C. Santos, *et al.*, “A novel framework for semi-Bayesian radial velocities through template matching”, *A and A*, vol. 663, A143, A143, Jul. 2022.  DOI: 10.1051/0004-6361/202142262.
- 2 **A. M. Silva**, S. G. Sousa, N. Santos, *et al.*, “ARCHI: pipeline for light curve extraction of CHEOPS background stars”, *MNRAS*, vol. 496, no. 1, pp. 282–294, 2020.  DOI: 10.1093/mnras/staa1443.

Co-authored Papers






- 1 Z. L. De Beurs, A. Vanderburg, E. Thygesen, *et al.*, “Characterization of K2-167 b and CALM, a new stellar activity mitigation method”, *Monthly Notices of the Royal Astronomical Society*, stae207, Jan. 2024, ISSN: 0035-8711, 1365-2966.  DOI: 10.1093/mnras/stae207. (visited on 02/07/2024).
- 2 V. M. Passegger, A. S. Mascareño, R. Allart, *et al.*, *The compact multi-planet system GJ 9827 revisited with ESPRESSO*, Jan. 2024. arXiv: 2401.06276 [astro-ph]. (visited on 01/15/2024).
- 3 A. Castro-González, O. D. S. Demangeon, J. Lillo-Box, *et al.*, *An unusually low-density super-Earth transiting the bright early-type M-dwarf GJ 1018 (TOI-244)*, May 2023. arXiv: 2305.04922 [astro-ph]. (visited on 05/26/2023).
- 4 A. S. Mascareño, E. González-Álvarez, M. R. Z. Osorio, *et al.*, “Two temperate Earth-mass planets orbiting the nearby star GJ1002”, *Astronomy & Astrophysics*, vol. 670, A5, Feb. 2023, ISSN: 0004-6361, 1432-0746.  DOI: 10.1051/0004-6361/202244991. arXiv: 2212.07332 [astro-ph]. (visited on 05/26/2023).
- 5 R. Allart, C. Lovis, J. Faria, *et al.*, “Automatic model-based telluric correction for the ESPRESSO data reduction software: Model description and application to radial velocity computation”, *Astronomy & Astrophysics*, vol. 666, A196, Oct. 2022, ISSN: 0004-6361, 1432-0746.  DOI: 10.1051/0004-6361/202243629. (visited on 05/09/2023).
- 6 O. Balsalobre-Ruza, J. Lillo-Box, A. Berihuete, *et al.*, *KOBESim: A Bayesian observing strategy algorithm for planet detection in radial velocity blind-search surveys*, Oct. 2022. arXiv: 2210.11207 [astro-ph]. (visited on 10/21/2022).

- 7 J. P. Faria, A. S. Mascareño, P. Figueira, *et al.*, “A candidate short-period sub-Earth orbiting Proxima Centauri”, *Astronomy & Astrophysics*, vol. 658, A115, Feb. 2022, ISSN: 0004-6361, 1432-0746.  DOI: 10.1051/0004-6361/202142337. arXiv: 2202.05188. (visited on 02/14/2022).
- 8 J. Lillo-Box, N. C. Santos, A. Santerne, *et al.*, *The KOBE experiment: K-dwarfs Orbited By habitable Exoplanets. Project goals, target selection and stellar characterization*, Sep. 2022. arXiv: 2209.05205 [astro-ph]. (visited on 10/19/2022).
- 9 J. Lillo-Box, J. P. Faria, A. S. Mascareño, *et al.*, “HD22496b: The first ESPRESSO standalone planet discovery”, *Astronomy & Astrophysics*, vol. 654, A60, Oct. 2021, ISSN: 0004-6361, 1432-0746.  DOI: 10.1051/0004-6361/202141714. arXiv: 2109.00226 [astro-ph]. (visited on 10/21/2022).

Posters



- 1 “A bayesian template matching approach applied to harps : Towards the improvement of the rv precision,” Online, European Astronomical Society Annual meeting 2021, Jun. 28–Jul. 2, 2021.
- 2 “A semi-bayesian implementation of template matching for precise radial velocities,” Online, Encontro Ciência 21, Jul. 28–30, 2021.
- 3 “A semi-bayesian implementation of template matching for precise radial velocities,” Online, Statistical challenges in Modern astronomy VII, Jul. 7–10, 2021.
- 4 “A bayesian approach to precise radial velocities,” Online, 30th Encontro Nacional de Astronomia e Astrofísica, Sep. 9–11, 2020.
- 5 “Archi: Pipeline for light curve extraction of cheops background stars,” Online, Europlanet Science Congress 2020, Jun. 21–Jul. 9, 2020.

Skills

Languages	 Strong reading, writing and speaking competencies for English, Mandarin Chinese, Bahasa Malaysia.
Coding	 Java, PHP, Python, R, SQL, XML/XSL, \LaTeX , ...
Databases	 MySQL, PostgreSQL, HSQL, SQLite, LotusNotes.
Web Dev	 HTML, CSS, JavaScript, Apache Web Server, Tomcat Web Server.
Misc.	 Academic research, teaching, training, consultation, \LaTeX typesetting and publishing.

Miscellaneous Experience

Organizing committees

- 2024  Part of the local organization committee of the *EPRV6* conference
- 2019  Part of the local organization committee of the *Porto MW-Gaia WG3 Workshop: Exoplanets in the era of Gaia*.

References

Available on Request