ALEJANDRO RODRÍGUEZ GARCÍA

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ABOUT ME

[DOB: 08-05-2000] A highly motivated and enthusiastic individual with a passion for learning and professional development. I possess strong analytical skills, developed during my Physics degree, and a keen interest in applying them to the study of complex biological systems, particularly in the fields of biophysics and computational neuroscience. I am a quick learner, decisive, resilient, ambitious, dedicated, with a strong sense of responsibility, creativity and adaptability, which enables me to work effectively and efficiently in different situations.

EDUCATION

Master in Physics of Condensed Matter and Biological Systems, UAM ⸺ 2022 - 2023
Biophysics specialization.
Master's final project:

- Computational Neuroscience: *Dopamine, its role during learning and motivation* (2023).
  Tutor: Néstor Parga Carballeda, Theoretical Physics Department (UAM).

Bachelor in Physics, Autonomous University of Madrid (UAM) ⸺ 2018 - 2022
GPA: 7.16/10.
Theoretical physics itinerary: Advanced Mathematical Methods - Classical electrodynamics - Physics of the Cosmos - Advanced Quantum Mechanics - High Energy Physics.
Final degree project:

- Paper-based sensors and luminescent nanoparticles for biomedical and environmental applications:
  (PoC) Nanoparticles doped with Er and Yb as chromium(III) sensor (June 2022).
  Tutor: Emma Martín Rodríguez, Applied Physics Department (UAM).

- Metal-hydrogen systems:
  Formation and decomposition of palladium hydride (December 2021).
  Tutor: Pablo Molina de Pablo, Materials Physics Department (UAM).

Member of the varsity basketball team.
Evaluation for University Access (EvAU): 9.425/10 ⸺ 2018

LICENSES AND CERTIFICATIONS

Reinforcement Learning Onramp, MathWorks ⸺ 2022
Course Completion Certificate:100% - 4h.
Cambridge Assessment English: CAE, Cambridge ⸺ 2023
Grade C - Score: 186 (C1).

RECOGNITIONS AND AWARDS

Excellence Grant, Community of Madrid and Council of Education and Research ⸺ 2018-2019
Scholarship for excellent academic achievement - Course 2018-2019.

VOLUNTEERING

Teacher of children in social exclusion ⸺ 2015 - 2017
Cáritas ⸺ *Madrid, Spain*

- Acquisition of pedagogical aptitudes.

KNOWLEDGE AND SKILLS

Programming skills	LaTeX, R, C++, Python, HTML/CSS, SQL.
Software Skills	MatLab, Excel, OriginPro, RStudio, Wolfram Mathematica.
Languages	Spanish (native), English (advanced), French (beginner).

EXPERIENCE

Basketball Coach 2018-2023
Ábaco School *Madrid, Spain*