Carlos Rafael Salazar Letona

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Languages
English - Bilingual
Spanish - Native
German - B1
French - B1

Skills
Flexibility
Accuracy
Teamwork
Detail oriented
Self-motivated
Problem solving
Work independently
Communication skills

Hobbies
Developing video
games
Knitting
Table Tennis
Chess
Reading

Profile

I am a Guatemalan graduate student at Aix-Marseille Université. Curious and inventive, my desire to understand the world around me is the reason I am studying physics.

Education

2021 - 2023 **Aix-Marseille Université**
Fundamental Physics

2018 - 2021 **Jacobs University of Bremen**
Physics (major), Computer Science (minor)

Experience

2022 **Internship - Machine Learning Approaches to Model Interatomic Interactions in Materials - Dr. Julien LAM** CEMES - CNRS
Train a machine learning algorithm based on a DFT database for the modeling of interatomic interactions of gold and iron atoms.

2021 **Teaching Assistant - Numerical Software Lab (Spring) - Prof. Kleinekathöfer** Jacobs University
Grade homework and solve students' questions during the programming (python) lab sessions.

2020 **Student Laboratory Assistant - Ocean Lab** Jacobs University
Student assistant in the Ocean Laboratory of Jacobs University, under the supervision of Prof. Dr. Laurenz Thomsen. Tasks consisted in preparing experiments, technical services, and overall maintenance of the lab.

2020 **Teaching Assistant - Physics for the Natural Sciences (Spring) and Classical Physics (Fall) - Prof. Fritz** Jacobs University
Grade homework and solve students' questions in tutorials.

2019 - 2020 **Student Advisor and Peer Counselor - Orientation Week** Jacobs University
Welcome incoming students; intercultural training.

2019 - 2020 **Founder of the Club - GameDev Club** Jacobs University
Organize weekly meetings. Give talks explaining the basics of programming video games in Unity with C#. Coordinate development of games for club projects.

Professional Skills

C/C++	Microsoft Office
Python	GROMACS
C#	LAMMPS
Windows Knowledge	Machine Learning
Linux Knowledge	PyTorch
Unity	Latex
Blender	Scientific Writing

References

- **Dr. Julien Lam** CNRS researcher - julien.lam@cnrs.fr
- **Prof. Thierry Martin** CPT Director - thierry.martin@cpt.univ-mrs.fr
- **Dr. Akshay Krishna** CEMES Postdoctoral researcher - akshaykrishnaak9@gmail.com