

# José M. Pizarro, PhD

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[LinkedIn](#)

[GitHub](#)

Ph.D. in Physics with expertise in Computational Materials Science. I have 5 years of experience in agile (full-stack) software development and 2 years in data management technologies.

Programming skills	Soft skills	Software Development	Languages
✓ Python	✓ Problem-solving	✓ Agile development	Spanish: native
✓ C++	✓ Critical thinking	✓ TDD	English: C1
✓ C	✓ Analytical skills	✓ XP	German: A2-B1
✓ React	✓ Organization skills	✓ HPC	Turkish: A2-B1
✓ Linux	✓ Project planning and delivery	<b>Currently learning</b>	
✓ Git	✓ Mentoring	✓ ML, AI methods	
✓ MongoDB	✓ Teaching	✓ LLMs	
✓ Elasticsearch	✓ Presentation skills	✓ Project management	
✓ FastAPI			

## PROFESSIONAL EXPERIENCE

Humboldt University of Berlin, Germany	2022 – Present
<b>Software Developer and Data Manager</b>	
<ul style="list-style-type: none"><li>Database management and development for Materials Scientists.</li><li>Python and React architecture with ReSTful API and MongoDB for efficient storage of Materials Science data.</li><li>Interdisciplinary collaborations and semantic web development.</li><li>Presentation of results in international conferences.</li></ul>	
MPSD, Hamburg, Germany	2021 – 2022
<b>Postdoctoral Research Associate</b>	
<ul style="list-style-type: none"><li>Development of HPC simulations in C, C++, and Python for material properties.</li><li>Mentoring of PhD, MSc, and BSc students. Interdisciplinary collaborations.</li><li>Presentation of results in international conferences.</li></ul>	
University of Bremen, Germany	2018 – 2021
<b>Postdoctoral Research Associate</b>	
<ul style="list-style-type: none"><li>Development of HPC simulations in C, C++, and Python for material properties.</li><li>Mentoring of MSc, and BSc students. Interdisciplinary collaborations.</li><li>Presentation of results in international conferences.</li></ul>	

## EDUCATION

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Autonomous University of Madrid, Spain

**PhD in Physics**

*Cum Laude* qualification

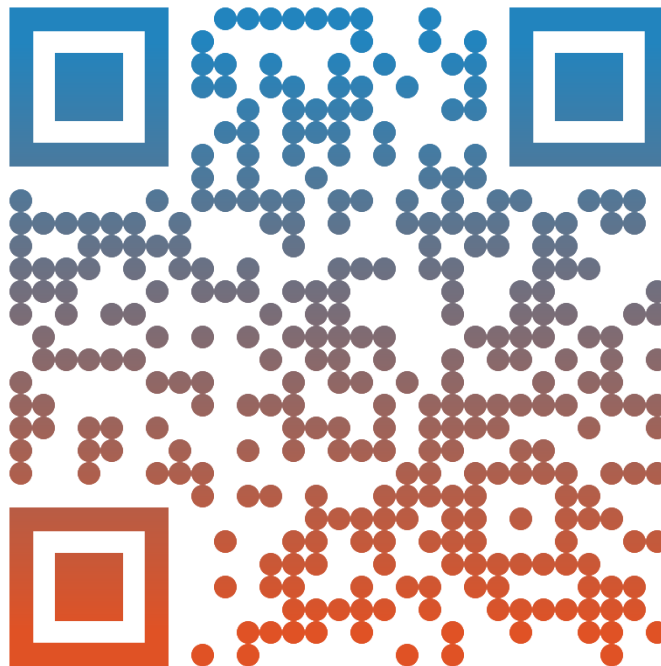
Complutense University of Madrid, Spain

**MSc in Nanophysics and Advanced Materials**

University of Valladolid, Spain

**BSc in Physics**

Feel free to visit my website for more information



<https://josepizarro3.github.io/>