

DANIEL MONTEIRO CUNHA

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Professional Summary

Technical project coordinator with a background in materials science, experimental design, and interdisciplinary research. I specialize in structuring complex lab processes, guiding collaborative teams, and bridging the gap between scientific insight and operational execution. My work spans process optimization, lab management, and data-driven development of research tools.

Project & Team Contributions

- Coordinated interdisciplinary collaborations across departments, contributing to joint publications.
- Supported postdoc, PhD, and MSc researchers by structuring research plans, helping projects reach their milestones.
- Enhanced lab continuity by managing equipment workflows, logistics, and resource tracking across multiple projects.
- Improved operational processes, reducing downtime and generating €25K in annual lab cost savings.
- Developed Python tools to streamline data analysis and support reproducible experimental workflows.

Professional Experience

Senior Scientist

University of Twente

Enschede, NL

- Led research infrastructure and student supervision while driving experimental design and advanced characterization.

Researcher

University of Twente

Enschede, NL

- Coordinated battery-related testing projects in collaboration with industry partners.
- Planned experiments and supported performance optimization.

PhD Researcher

University of Twente

Enschede, NL

- Researched oxide thin films and nanoscale energy materials.
- Developed characterization techniques, implemented Kinetic Monte Carlo simulations, and supervised undergrad and MSc students.

Education

PhD in Materials Science

University of Twente

Enschede, NL

BSc in Energy Engineering (Cum Laude)

Federal University of ABC

Santo André, BR

BSc in Science and Technology

Federal University of ABC

Santo André, BR

Skills

- **Project Management:** Planning, lab coordination, stakeholder engagement, logistics, documentation
- **Communication:** Supervision, collaborative work, scientific reporting, teaching
- **Technical:** Experimental design, Pulsed Laser Deposition (PLD), Scanning Probe Microscopy (SPM), Python, 3D Modeling
- **Analytical:** Data processing, predictive modeling, tool development

Languages

Portuguese (native), English (fluent), Spanish (intermediate), Dutch (basic)

Personal Interests

Running, Boulderling, Drumming, Cooking, Reading