

Javier Orduz, Ph.D.



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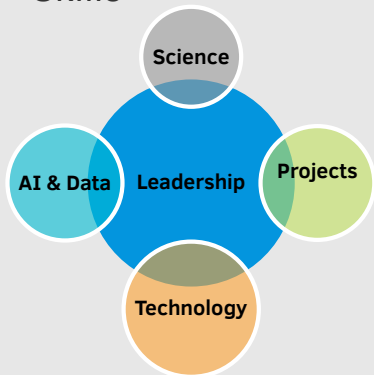


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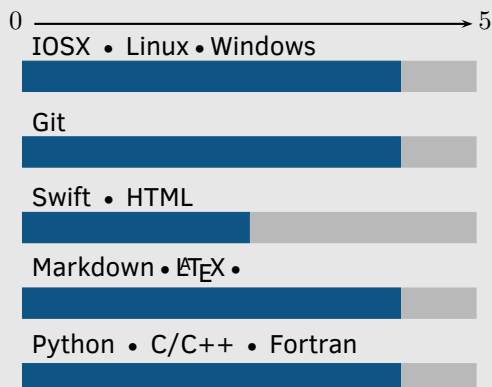
Education

- **Ph.D, Applied Physics**
BUAP | 2014 | Puebla, Mex.
- **MSc., Applied Physics**
BUAP | 2010 | Puebla, Mex.
- **MSc. Interdisciplinary (Computational) Engineering**
Purdue U. 2025- | IN, USA
- **BSc., Physics.**
UPTC | 2008 | Tunja, Col.

Skills



Programming



Professional Summary

Motivated and curious scientist with a Ph.D. in Physics and over 9 years of experience in research, teaching, and interdisciplinary collaboration. I'm passionate about translating complex ideas into practical solutions, with expertise in mathematical modeling, simulation, and data-driven technologies. My work bridges quantum computing, machine learning, and applied innovation. I have led diverse projects, organized scientific events, and thrived in collaborative environments. I am excited to bring my skills and mindset to a forward-thinking company where I can contribute to real-world impact and continuous innovation.

Leadership and Impactful Communication

- Led interdisciplinary projects applying AI and data-driven techniques across various fields, producing high-quality reports and actionable results.
- Developed and delivered clear presentations, slides, and technical reports to explain complex topics to engineers, mathematicians, and specialized communities.
- Skilled at communicating advanced concepts effectively, even in high-pressure or fast-paced environments.
- Supported diverse initiatives through active participation in technical communities, promoting collaboration and innovation.
- Ability to travel independently and manage long-term projects.
- Excellent analytical, decision-making, and problem-solving skills.

Professional Experience

Jul 2022 -	present	Visiting Assistant Professor
	Earlham College. USA	
Jan 2022 -	2025	Adjunct Professor
	Baylor U. USA	
Nov 2020 -	Jul 2022	Research Scholar
	Baylor U. USA	
Feb 2017 -	Dec 2020	Associate Professor
	UNAM, Mex	
March 2015 -	Feb 2017	Postdoctoral Researcher
	UNAM, Mex	

Technical Skills

Data Tools: Pandas, NumPy, Matplotlib, Jupyter **Languages:** Spanish, English and French • **Programming** ability to prototype algorithms. • **Communication:** good skills to lead projects and coordinate events, deliveries, and final remarks. • **Collaboration:** Work closely with engineers, researchers, and technical experts to implement solutions.

Overview

Motivated by a strong passion for engineering, mathematics, and problem-solving, I bring a highly organized approach to quality assurance and data-driven decision-making. I have extensive experience applying advanced analytical techniques to real-world challenges, with strong skills in data science, statistical analysis, and process optimization. My background includes designing and leading structured programs and projects, ensuring high organizational standards, accuracy, and continuous improvement in dynamic environments.