

CYNTHIA GARCÍA DE JESÚS  
PhD in Computer Science and Technology

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Nationality: Mexican

Date of Birth: 05/12/1984

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## ACADEMIC TRAINING

March 2013/July 2017

PhD in Computer Science and Technology

Carlos III University of Madrid, Spain.

Software Engineering, Knowledge Management, R&D+i, Project Management, R&D+i Standards, Viable Systems Model (VSM), programming languages (PHP, HTML5, CSS, JavaScript), databases (Postgres, SQL Server, MySQL).

January 2008/January 2010

Master's in Computational Systems

Technological Institute of Orizaba, Veracruz, Mexico.

Software Engineering, Data Mining, Web Services, PHP, and Databases.

January 2003/January 2007

Bachelor's Degree in Computational Systems Engineering

Technological Institute of Orizaba, Veracruz, Mexico.

Subjects: Programming Languages, Databases, General Software Packages

Core Subjects: Mathematics, Physics, Statistics, Computer Science.

## PROFESSIONAL EXPERIENCE

September 2022/Present

Deputy Director of Mathematical Engineering Bachelor's Degree, UFV

Management and coordination of the degree program.

Research group leader.

University Professor at Francisco de Vitoria University.

Teaching university-level courses, tutoring, and research.

Bachelor's Thesis Coordinator.

Course AFC Coordinator.

PEC for third-year students.  
Mentor of the "Protagoniza tu Futuro" Program.

August 2018/2022  
Consultant and Software Developer (Freelance)  
Software development and website development.  
User training courses.

March 2014/2018  
Support at the Sel-Promise Department UC3M  
Carlos III University of Madrid, Spain.  
Assisting in department activities, teaching PHP and HTML courses.  
Support in R&D projects and web development.

October 2016/January 2017  
Internship at V.O. Consulting, S.L.  
Application development with .Net technologies, Microsoft C#.  
Project management for various company clients.  
Monitoring airport parking control servers (Barajas, England, and Portugal).

August 2014  
Collaborator in Technological and Methodological Platform  
Mathematics Research Center (CIMAT)  
Involved in the research project "TRASCI3: Technological and Methodological Platform for the Valuation, Evolution, and Strategic Control of Intellectual Capital."

September 2011/September 2012  
Full-time Professor and Researcher  
University of Istmo, Oaxaca, Mexico.  
Teaching university-level courses, personal tutoring, research, and mentoring.

June 2010/July 2011  
Computational Systems Engineer  
Ministry of Communications and Transport, Veracruz, Mexico.  
Training courses for IT employees, maintenance of computer hardware/software.

August 2010/June 2011  
Computer Science Teacher  
Sotavento University, Orizaba Campus, Veracruz, Mexico.  
Teaching at ESO (Physics, Mathematics, Computer Science), University level (Integral Calculus, Computer Science), and Postgraduate level (Computer Science).

July-August 2008

Software Activities Collaborator

Rodas Computación, Orizaba Veracruz

Development of Software Products following the NMX-1-059/NYCE standard.

## COURSES AND CONFERENCES

- 2024 Course "Nuestra Misión Hoy" (27th edition), Francisco de Vitoria University.
- 2023 "Writing Scientific Articles with Qualitative Methodology" (Online Course), Francisco de Vitoria University.
- 2023 "A Journey of Discovery in Data Visualization in the Business Environment" ICERI2023.
- 2023 "Navigating the Journey of Final Degree Projects" at the 16th International Conference of Education, Research, and Innovation in Seville, Spain.
- 2022 "Preventive Risk Management" (Online), Francisco de Vitoria University.

## PUBLICATIONS

- Authors: G.L. Dugarte-Peña, E. Muñoz-García, N. Gordo-Herrera, C. García de Jesús. (2023) "System Dynamics As a Catalyst for the Development of Problem-Solving Skills in Engineering Students" at the 17th International Technology, Education and Development Conference.
- Authors: Aline de Brittos Valdati, João Artur de Souza, María Isabel Sánchez Segura, and Cynthia Garcia de Jesus. (2021) "Maturity Model for Ideas Management" in \*Knowledge Governance and Learning for Organizational Creativity and Transformation\*.

## LANGUAGES

Native Language: Spanish

English: B2 (Intermediate/Advanced)

## SKILLS AND PERSONAL DEVELOPMENT

- Capacity for introspection and meditation.
- Ability to make decisions aligned with spiritual and ethical values.
- Project management and R&D+i coordination skills.
- Strong leadership and organizational abilities in managing technical teams and research projects.

## INTERESTING COMPETENCIES

- Advanced Computer Science, Data Mining Algorithms, Statistical Analysis in Data Science, Software Engineering, Project Management, and more.