

Luis Héctor García Muñoz.



Personal Data

Place and Date of Birth: Torreón, Coahuila, México | 19 Oct 1966
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Work Experience

Feb 1992 - Present	Professor at Instituto Tecnológico de La Laguna. <i>Department of Systems and Computing.</i> <i>Subjects: Artificial Intelligence, Logical and Functional Programming, Distributed Systems, Web Programming.</i>
Oct 1997 - Present	IT Project Manager at Colegio de Educación Profesional Técnica de Coah. <i>Computer network supervisor, systems analysis and design, technical support, preventive and corrective maintenance.</i>
Aug 2016 - Jun 2017	Research assistant at Instituto Tecnológico de Informática (UPV) , Spain <i>Modern Distributed Systems, Principles and Technologies. Focus on Recovery Protocols for Replicated databases, Consistency Models and Scalability.</i>
Mar 1997 - Mar 1998	IT Manager at Promotora Habitacional de Gomez Palacio. <i>Reorganization of the IT department, new equipment and software were included for the installation of a network, specific software development for purchases, costs and settlements. Support in the implementation of manual controls and procedures for payroll.</i>

Projects and Extras

CONDEP 2007	From Static to Dynamic Environments: CONSistency, Recovery and DEPENDability Issues / CONFIA - De los entornos estáticos a los entornos dinámicos: cuestiones de CONSistencia, recuperación y FIabilidad
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Education

Aug 2007 - Jul 2013	PhD in Computer Science, Universitat Politècnica de València (UPV) , Spain. <i>PhD Thesis: Optimizing Recovery Protocols for Replicated Database Systems.</i>
2010 - 2014	Master in Computer Systems, Instituto Tecnológico de la Laguna . <i>Study of replicated databases, the factors in design and implementation.</i>
2003 - 2010	Computer Systems Engineering, Instituto Tecnológico de Celaya .

Languages

Spanish:	Mother tongue
English:	Lower intermediate (B1-B2)
French, Italian:	Elementary (A1)

Computer Skills

Basic Knowledge:	DevOps, Agile/Scrum Methodology, Software Architecture.
Intermediate Knowledge:	Data Science, Machine Learning, Deep Learning, Cloud Computing, Internet of Things, C#.
Advanced Knowledge:	Artificial Intelligence and machine learning, replication protocols, recovery approaches, distributed data management and scalability mechanisms, MPI, Python, C++.
Proficient:	Distributed Systems, Distributed Algorithms.

Interests and Activities

I love reading about science, more specifically, Computer Science: Artificial Intelligence, Data Science, Data Analytics and Machine Learning. Web development is another of my great interests as well as the management and organization of a computer, how to create a compiler and a programming language, how to create algorithms that can recognize and elaborate the description of a picture.

I like Psychology as well, especially Decision Making and Learning. It is a huge inspiration for the distributed algorithms since I learn more about group communication. It is also a big inspiration for artificial intelligence algorithms due to the fact that most of them are inspired in the behavior of brain cells.

Furthermore, I also love travelling, hearing music, going to museums, observing nature, solving puzzles. In short everything that means learning and expanding knowledge are my favorite activities.

Documentation

References, diplomas and publications available on request.