
STEPHANIE VÁZQUEZ-GONZÁLEZ

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Ph.D. Candidate

Summary

Master in Computer Science with 4 years of experience in research and more than 10 years of experience in IT management, SEO and team management. I am used to working in multinational and multicultural environments, I am currently pursuing a doctorate in Language and Knowledge Engineering and I have a master's degree in the area of Data Mining and Natural Language Processing.

Education

Jan 2019 - Expected Dec 2022	Ph.D. candidate in Language and Knowledge Engineering <i>Benemérita Universidad Autónoma de Puebla, Faculty of Computer Sciences</i> Student Member of University Council
Aug 2016 - Jul 2018	M.Sc. Computer Science, Data mining and NLP area <i>Benemérita Universidad Autónoma de Puebla, Faculty of Computer Sciences</i> Research stay at Institute of Technology Tallaght, thesis defense approved by unanimity.
Aug 1995 - Jul 2000	B. Sc. Computer Science <i>Benemérita Universidad Autónoma de Puebla, Faculty of Computer Sciences</i>

Research experience

January 2019 - Present	Ph.D. student <i>Benemérita Universidad Autónoma de Puebla, México</i> <ul style="list-style-type: none">• Conducted a comparative study of related work to thesis proposal• Developed creation of corpus of historical documents• Conducted exploratory data analysis on historical documents using Python• Evaluated different approaches for the construction of a model for automatic emotion identification• Invited talk in Summer School NLP 2020
August 2016 - July 2018	M.Sc. student <i>Benemérita Universidad Autónoma de Puebla, México</i> <ul style="list-style-type: none">• Created a corpus on speech disorders with documents retrieved from the Web• Created taxonomies using the corpus documents• Developed an ontology based on taxonomies to solve the competence questions with Protégè• Evaluated the ontology using validation methods and expert feedback• Populated the ontology with patient and therapist data, tested with users

Conferences

- Summer school NLP.
México, virtual conference. September, 2020.
Invited presentation
"Fundamentals of sentiment analysis."
- 7TH International Symposium on Language & Knowledge Engineering, LKE
Dublin, Ireland. October, 2019.
Poster presentation
"A computational model for speech disorders using problematic phonemes with ontological reasoning."
- 17th Mexican International Conference on Artificial Intelligence, MICA
Guadalajara, Mexico. October, 2018.

Oral presentation

"A diagnostic tool for speech disorders based on NLP with ontological reasoning."

- 5th International Symposium on Language & Knowledge Engineering, LKE
Puebla, Mexico. November, 2017.

Poster presentation

"A proposal of lexical resources' development for ontological learning in the domain of speech disorders."

- XVIII Congreso Internacional de Interacción Persona-Ordenador, Interacción
Cancun, Mexico. September, 2017.

Oral presentation

"Ontology for the description of a master's degree program in computer sciences"

Publications

Vázquez-González, S., & Somodevilla-García, M. (2020). A computational model for speech disorders using problematic phonemes with ontological reasoning. *Journal of Intelligent & Fuzzy Systems*, 39(2), 2305–2315. <https://doi.org/10.3233/jifs-179892>

Somodevilla-García, M., **Vázquez-González, S.,** Pineda Torres, I., & Celis Herrero, C. P. de. (2018). A Diagnostic Tool for Speech Disorders Based on NLP with Ontological Reasoning. *Research in Computing Science*, 147(10), 75–86. <https://doi.org/10.13053/rcs-147-10-7>

Reyes-Peña, C., Tovar-Vidal, M., **Vázquez-González, S.** (2018). Creation of a consulting tool and implementation of an ontology for a Master's Degree Program in Computer Sciences. *Revista Colombiana de Computación*, 19(1), 29–38. <https://doi.org/10.29375/25392115.3227>

Vázquez-González, S., Somodevilla-García, M., Pineda-Torres, I. H., & Pérez de Celis, C. (2017). A Proposal of Lexical Resources' Development for Ontological Learning in the Domain of Speech Disorders. *Research in Computing Science*, 145(1), 107–118. <https://doi.org/10.13053/rcs-145-1-8>

Reyes-Peña, C., Tovar-Vidal, M., **Vázquez-González, S.** (2017). Ontology for the description of a masters degree program in computer sciences. *ACM International Conference Proceeding Series*, Part F1311. <https://doi.org/10.1145/3123818.3123836>

Pérez-de-Celis Herrero, C., Somodevilla-García, M., Pineda Torres, I. H., Reyes-Peña, C., **Vázquez-González, S.,** Martínez Torres, R. (2016). Una arquitectura para la búsqueda facetada del compendio de actividad física. *Revista de Investigación En Tecnologías de La Información*, 4(8), 14–20.

Skills

Programming

Proficient in programming with: Python, C/C++, SQL, XML, HTML

Ontologies construction

Proficient in: Protégé editor

Language

Spanish: Native proficiency

English: Fluent proficiency

French: Intermediate proficiency

Other skills

Proficient in: Microsoft Office Suites, Weka, Dreamweaver

Additional experience

2012 - 2015

SEO Manager

Montiel & Soriano Editores

SEO, Content Management, Web Design. Responsible for positioning in search engines, content design and internet advertising campaigns.

2008 - 2011

IT Manager

Negonet

Responsible for the IT department in headquarters and subsidiaries within the country, responsible for migration of servers and systems in accordance with the international standard of the company. Management of work teams and direct department manager before the headquarters in Paris, France.

2007

IT Manager

St. Germain construction company

Administration, configuration and maintenance of web servers, networks, databases and accounting systems.

Outreach activities

- March 4, 2020 - Testimony of my profession
San Andrés Cholula , Puebla *Ibero Puebla High School*
Talk to students in the area of exact sciences about a regular day in the life of a computer science postgraduate
- September 28, 2018 - Annual reunion of the TTL network
San Andrés Cholula , Puebla *Thematic network in language technologies*
Attendance to conferences as member of the TTL network
- October 17, 2017 - Annual reunion of the TTL network
SAn Andrés Cholula, Puebla