



Antonio F. García Sevilla

Academic Background

- 2016– **PhD program in Computer Science**, *Facultad de Informática*, Universidad Complutense de Madrid.
- 2017–2020 **Master in Teaching in Secondary Education, Vocational Training and Language Centers**, *Facultad de Educación*, Universidad Nacional de Educación a Distancia.
- 2013–2016 **Master in Human Language Science and Technology**, *Faculty of Information and Communication Technology*, University of Malta, Language and Communication Technologies European Master Program (*with distinction*).
- 2013–2016 **Master in Computer Science, Mathematical linguistics branch**, *Matematicko-Fyzikální Fakulta*, Univerzita Karlova v Praze (Charles University in Prague), Language and Communication Technologies European Master Program (*Summa Cum Laude*).
- 2008–2013 **Major in Mathematics**, *Departamento de Matemáticas*, *Facultad de Ciencias*, Universidad Autónoma de Madrid.
- 2008–2013 **Major in Computer Engineering**, *Escuela Politécnica Superior*, Universidad Autónoma de Madrid.

Previous Experience

- 2020 **Principal Investigator**, *Project VisSE: Visualizing SignWriting*, Funding for applied research projects on the creation of accessible technologies, INDRA and Fundación Universia and UCM: <https://www.ucm.es/visse>.
- 2018– **Research Assistant**, *Funded Projects: HiSi; Idilyco*, Methods for finding similar medical histories; Digital inclusiveness and inclusive language, *Facultad de Informática*, UCM.
- 2018– **Teaching aid at UCM**, *Aid with teaching tasks, co-direction of bachelor theses, server administration*, *Facultad de Informática*, UCM.
- 2017 **R&D**, *Medwhat*, Development of prototype chatbot application for the medical domain, <http://medwhat.com/>.
- 2017 **Software Developer**, *Speexx - Digital Publishing*, Full-stack development of language training applications, <https://www.speexx.com/home/>.
- 2016 **Research Assistant**, *ConCreTe European project*, Natural interaction based on Language group, *Facultad de Informática*, UCM.
- 2010 **Technical realization of educative innovation project for Universidad Complutense de Madrid**, *Material and methods for the virtual teaching of General Palaeontology*.
- 2006 **Technical realization of educative innovation project for Universidad Complutense de Madrid**, *General Geology and Biosphere evolution, design of animations and applications*.

Languages

Spanish	Native	
English	Fluent	University of Cambridge (U.K.), Certificate of Proficiency in English Grade A (Council of Europe C2) and other titles. Bilingual elementary education.
LSE	Advanced	Spanish Sign Language, CEFR level C1, Idiomas Complutense
Japanese	Intermediate	Japan Educational Exchanges and Services 日本語能力試験 (Nōken), Certificate of Japanese Language Proficiency Level N3 (N5 basic, N1 proficient)

Selected Publications

<https://orcid.org/0000-0001-9025-1724>

- 2020 **A.F.G. Sevilla**, A. Díaz Esteban, J. M. Lahoz-Bengoechea, “Tools for the use of SignWriting as a Language Resource”, in Proceedings of the 9th Workshop on the Representation and Processing of Sign Languages, May 2020, pp. 203-208.
- 2019 **A.F.G. Sevilla** and J. M. Lahoz-Bengoechea, “A different description of orientation in sign languages”, in Procesamiento del Lenguaje Natural, volume 62, March 2019, pp. 53-60.
- 2016 **A.F.G. Sevilla**, A. Fernández-Isabel, and A. Díaz, “Grafeno: Semantic Graph Extraction and Operation”, in The International Conference on Digital Information Management (ICDIM 2016), 139-144.
- 2016 **A.F.G. Sevilla**, A. Fernández-Isabel, and A. Díaz, “Enriched semantic graphs for extractive text summarization”, in The Conf. of the Spanish Association for AI (CAEPIA 2016), LNAI, vol. 9868.

Technical Skills

<https://github.com/agarsev>

Server	GNU/Linux, Node.js, Nginx, Apache	Browser	HTML5, CSS3, Javascript, ES6
Admin	SSL certs, VPS & e-mail	Framework	Express, React, jQuery, Backbone
DB	PostgreSQL, Redis, MySQL	Systems	C/C++, Java, VHDL
Scientific	MATLAB/Octave, R, Python	NLP	Perl, NLTK, Spacy, Trale
Algorithms	Neural Networks, HMM	Experiment.	OpenCV, Rust, FPGAs
Tools	Git, Make, Vim, SSH	Design	LaTeX, GIMP, POVray

Others

- 2017–2019 **Nōken**, 日本語能力試験, Organization of the official Japanese language exam in Madrid: aid (2017–2018), supervisor (2019).
- 2014 **Programme Representative**, European Masters Program in Language and Communication Technologies.
- 2013 **European Union grant for master studies**, Language and Communication Technologies European Master Program.
- 2012 **Organization of Richard M. Stallman’s talk**, “The Free Software Movement”, Escuela Politécnica Superior, UAM.
- 2009–2011 **Organization and delivery of talks and workshops on computer science, Linux Install Parties**, Escuela Politécnica Superior, UAM.
- 2009 **Grant for Academic Excellence from the Comunidad Autónoma de Madrid**, Design of digital circuits with FPGA and teaching aid for CS in UAM.