



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.
- 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. |
| 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) |
| LSE | Intermediate | Spanish Sign Language, CEFR level B2, Idiomas Complutense |

Selected Publications

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

- 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).
- 2016,2018 **Contest of Stage Plays in Japanese in Spain**, Second jury award, Award to the best Japanese.
- 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.
- 2009 **SWERC**, “*Concurso Universitario de Programación de la Comunidad de Madrid*”, local phase of the Southwestern European Regional Programming Contest, Participant for UAM.