



Elena Gutiérrez

Age: 26 (10 nov., 1993)
Tel.: +34 696 073 505
Web: elenagutiv.github.io

Address: Madrid (28030), España
Email: elenagutiv@gmail.com
LinkedIn: linkedin.com/in/elena-gutierrez-viedma/

Objective

Contribute to the solution and communication of the next generation of research challenges in the fields of program analysis and verification, ML and NLP applications, using my mathematical background and research experience on the theory of formal languages for software verification.

Computer Skills

- C, Python, Octave, Bash, Prolog, HTML, CSS | General experience
- C++, Java | Basic experience
- Git, LaTeX, Keynote
- Mac OS, Linux

Work Experience

IMDEA Software Institute Madrid, Spain
Researcher (predoctoral researcher until Sep. 2020) Sep. 2016 - present

National Institute of Informatics (Erato MMSD Project) Tokyo, Japan
6-months research internship May. 2019 - Nov. 2019

IMDEA Software Institute Madrid, Spain
3-month research internships summers 2013, 2014 and 2015

Education

Ph.D. in Software, Systems and Computing Univ. Politécnica de Madrid
With *cum laude* distinction Sep. 2016 - Sep. 2020

Double Degree in Mathematics and Software Engineering Univ. Autónoma de Madrid
Average grade: 8.2/10 Sep. 2011 - May. 2016

Courses and Certificates

- Course on Machine Learning by Andrew Ng - Coursera Mar. 2020 - present
- School on Formal Verification - The Hebrew University (Jerusalem) 17 - 21 Dec. 2017
- TOEFL iBT | Test score: 104/120 Feb. 2016

Software Projects

- Genetic algorithm (in C) for the analysis of recurrent neural networks (2020). [GitHub](#)
- Optimization algorithm (in Prolog) for Horn clause programs (2016). [GitHub](#)

Ph.D. Thesis *New Perspectives on Classical Automata Constructions* Sep. 2020

Natural Languages Spanish | Native English | Advanced French | Basic

Volunteer Work and Interests

- Soñar Despierto Foundation: Giving support lessons to high-school students coming from marginalised backgrounds in Madrid (Sep. 2018 - May. 2019)
- AFS Intercultura Spain: Participating in the coordination of intercultural activities with foreign students from exchange programs (Sep. 2011 - May. 2012)
- I love sports, especially running (medium: 10 km, and large distance: 21 km), cycling and paddle tennis.