

Jorge García Fontán

Curriculum Vitae

LIP6 - Sorbonne Université, 4 place Jussieu, 75005 Paris, France
Jorge.Garcia-Fontan@lip6.fr

Education

- 2019–ongoing **Sorbonne Université - LIP6**, Paris, France.
PHD IN COMPUTER SCIENCE
Doctoral thesis within the PolSys team at LIP6. The subject is "Singularity and stability analysis of sensor-based control". Topics: computer vision, sensor-based control, computer algebra, algebraic geometry.
Directors: Mohab Safey El Din (Mohab.Safey@lip6.fr) · Sébastien Briot (Sebastien.Briot@ls2n.fr)
GitHub repository: <https://github.com/jorge-gf/thesis-archive>
- 2015–2019 **Imperial College of London**, London, UK.
MENG IN AERONAUTICAL ENGINEERING - First class Honours
- 2014–2015 **University of Seville**, Seville, Spain.
UNDERGRADUATE AEROSPACE ENGINEERING.
After a year I resumed my education at ICL.
- 2012–2014 **IES Fernando de Herrera**, Seville, Spain.
SPANISH BACCALAUREATE.

Publications

- 2021 **Singularity Analysis for the Perspective-Four and Five-Line Problems** .
INTERNATIONAL JOURNAL OF COMPUTER VISION
In collaboration with A. Nayak, S. Briot (LS2N, Nantes), and M. Safey El Din (LIP6, Paris).

Professional Experience

- 2018 **ThinAir Water Ltd**, London, UK.
ENGINEERING INTERNSHIP - 8 WEEKS
I created CFD models using Ansys Fluent, and performed experimental tests to analyse the fluid mechanics aspects of an Air-to-Water Generation machine. During my stage, the start-up was finalist to the Water Abundance Xprize.

Teaching Experience

- 2020-2022 TEACHING DUTIES AS PHD CANDIDATE - 128H TOTAL
I taught exercise classes, surveyed and corrected tests and exams for different subjects in the Department of Computer Sciences at Sorbonne University.

Summary of courses.

- Représentation et méthodes numériques (L2) 89h of TD
- Elements de programmation 2 (L1) 19h of TD
- Fondement de l'algorithmique algébrique (M1) 20h of TP

Computer Skills

- Programming** C, C++, Python
Software L^AT_EX, MAPLE, MATLAB, JULIA

Languages

- Spanish** Native
English C2 (CAE English Council)
French B2 (Imperial College London)