



# Martí Soler Planas

---

## Education

- 2006–2012 **Highschool**, *IES d'Auro*, Santpedor.  
ESO and Technological Batxillerat
- 2012–2016 **Bachelor's degree in Computer Science and Software Engineering**, *Universitat de Barcelona*, Barcelona, Grade: 7.8.
- 2016–2018 **Master's degree in Artificial Intelligence**, *Universitat Politècnica de Catalunya, Universitat de Barcelona and Universitat Rovira i Virgili*, Barcelona, Grade: 8.6.

## Master thesis

- title *Recovering missing data from human body images*
- grade 9
- supervisor Sergio Escalera
- description We engage in a critical discussion about the state of the art in semantic inpainting and related fields, as well as compare some of the most prominent methods. We consider this analysis important due to the novelty of both generative and deep unsupervised techniques which are an integral part of these methods. Solutions to this problem usually require a large amount of semantic information to generate a proper image reconstruction. To mitigate that, we restrict the domain of the problem to semantic inpainting of still images containing humans by creating a new specialized dataset. To qualify the performance of these methods we use traditional metrics such as MSE and DSSIM, combined with a novel metric based on quality of pose evaluation techniques over the reconstruction. We argue that there are some very prominent problems on the field which there is few discussion about and no clear consensus.
- follow-up work From this work we also obtained Track1 of a Chalearn competition already accepted as a workshop in WCCI and pending acceptance in ECCV. The competition is currently ongoing at: <https://competitions.codalab.org/competitions/18423>

Barcelona – 08025 – Spain

☎ +34 628 83 02 96 • ✉ [msolerpl10@gmail.com](mailto:msolerpl10@gmail.com) • 🌐 <https://msoler.github.io>  
Driving License B

## Degree thesis

title *Detecting arguments similarity to compact on-line debates*  
grade 9.5  
supervisors Maite López-Sánchez, Juan A. Rodríguez-Aguilar  
link [diposit.ub.edu/dspace/handle/2445/106467](https://diposit.ub.edu/dspace/handle/2445/106467)

## Languages

Catalan **Native**  
Spanish **Native**  
English **C1**

## Programming Languages

- C#
- C
- Java
- R
- Python
- C++
- Javascript(ES6)
- Matlab

## Interests

- Artificial Intelligence
- Generative Models
- Computer Vision
- Machine Learning
- Deep Learning
- Game Development

## Profile

I am a 23-year-old recent graduate looking to expand my career in the field of AI. I particularly enjoy machine learning, from strong theoretical models to deep learning. I work well in groups and have a high degree of involvement in the projects I undertake. I am a fast-learner and someone who greatly enjoys working towards solving challenging tasks.

## Reference

**Sergio Escalera, PhD**

*University of Barcelona and Computer Vision Center*

*Barcelona – 08025 – Spain*

📞 +34 628 83 02 96 • ✉ [msolerpl10@gmail.com](mailto:msolerpl10@gmail.com) • 🌐 <https://msoler.github.io>

*Driving License B*

2/2