



Ana García del Molino

I am in the final sprint of my Ph.D. at I2R and NTU, Singapore, currently working on Visual Memory and Summarization from First Person View content.
My research interests are in the areas of visual understanding, cognitive vision and personalization.

✉ garcia delmolino.github.io
📧 GarciaDelMolino
📧 ana002@ntu.edu.sg
☎ (+65) 8602 1449

Research Experience



📍 I2R, A*STAR, Singapore
📅 2014-Today
🎓 Ph.D. Candidate
👤 Supervised by [Joo-Hwee Lim](#)

- 📄 Use of conditional random fields and probabilistic inference for interactive video summarization with diversity and query-driven objectives.
- 📄 Modeling of lifelog photo-stream sequences using LSTM networks, to detect daily activities and learn associations between life events.
- 📄 Use of image quality analysis and semantic retrieval techniques for query-based lifelog summarization.



📍 gifs.com, Zurich
📅 June 2017-Sept 2017
👤 With [Michael Gygli](#)

- 📄 Use of a deep ranking model with personalizable input to customize the highlight detection in videos.

📍 National Inst. of Informatics, Tokyo
📅 2013
🎓 Research Intern
👤 With [Shin'ichi Satoh](#) and [Xavier Giró-i-Nieto](#)

Extension of the Bag of Words instance search technique by geometric coding and quantization error compensation.

📍 UPC Image Processing Group, Barcelona
📅 2012
🎓 Research Intern
👤 With [Ferran Marqués](#)

Exploration of image processing techniques for object tracking applied to sports.

Education and Skills

Ph.D. in Cognitive Systems and Visual Computing



📍 School of Computer Science and Engineering
📅 2015-(expected Summer 2019)



BSc. and MSc. in Telecomm Engineering

📍 TelecommBCN (ETSETB)
📅 2008-2013

- 🇪🇸 Native Speaker
- 🇪🇸 Native Speaker
- 🇬🇧 Fluent (TOEFL 103/120)
- 🇫🇷 Proficient (CEFR B2.2)
- 🇩🇪 Beginner (CEFR A1)



Proficient in Matlab, Python, TensorFlow, OpenCV.
Prior experience with Caffe, C++, SQL, HTML, CSS.



I enjoy sailing, the cinema and the opera, playing board games... And I make earrings!

Make the most of your hobbies! I was a sailing instructor in Barcelona the summers of '08 to '12.

Causes that matter. I am part of the leadership of the LeanIn Circle "AI Singapore".

Commitment to the community. During my undergrad, I was part of several student associations:

Vice-President of the IEEE Barcelona Student Branch in 2011-2013;

Member of the School's Evaluation Committee and Board; intern at the International Student Office.

Honors and Awards



SINGA Scholarship 📅 2015

Award given by A*STAR to international students to pursue their PhD at a Singapore University.



Obra Social "La Caixa" 📅 2014

Private fellowship to support postgraduate studies in North America and Asia-Pacific.

Selected Publications

📄 Ana García del Molino, Joo-Hwee Lim, and Ah-Hwee Tan. 2018. Predicting Visual Context for Unsupervised Event Segmentation in Continuous Photo-streams. In *Proceedings of the 26th ACM international conference on Multimedia (MM '18)*.

📄 Ana García del Molino and Michael Gygli. 2018. PHD-GIFs: Personalized Highlight Detection for Automatic GIF Creation. In *Proceedings of the 26th ACM international conference on Multimedia (MM '18)*.

📄 Ana García del Molino, Xavier Boix, Joo-Hwee Lim, and Ah-Hwee Tan. 2017. Active Video Summarization: Customized Summaries via On-line Interaction with the User. In *AAAI Conference on Artificial Intelligence*.

📄 Ana García del Molino, Cheston Tan, Joo-Hwee Lim, and Ah-Hwee Tan. 2017. Summarization of Egocentric Videos: A Comprehensive Survey. In *IEEE Transactions on Human-Machine Systems*, 47(1).

(More in my [Scholar](#) profile)