



Ana Garcia del Molino

*I am in my final year of PhD. at I2R and NTU, Singapore, currently working on Visual Memory and Summarization from First Person View.
My research interests are in the areas of computer vision, pattern recognition and cognitive vision.*

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 Singapore

PROFESSIONAL EXPERIENCE



INSTITUTE FOR INFOCOMM RESEARCH, A*STAR, Research Assistant Aug 2014 - Today
Ph.D. student position at the REVIVE project. My research focuses on the integration of cognitive models into computer vision systems, towards efficient visual memory organization and retrieval.



GIFS.COM, Research Consultant Jun 2017 - Sept 2017
The project included improving their automatic GIF generation engine by personalizing the experience. The new model generates different GIFs depending on the user's previous searches.



NANYANG TECHNOLOGICAL UNIVERSITY, Teaching Assistant Fall 2016
Teacher at the Algorithms CE2001 module lab (Computer Science Yr. 2).



PRICEWATERHOUSECOOPERS, Systems Auditor Nov 2013 - Aug 2014
Systems & Process Assurance Auditor for annual audits in several multinational companies.



NATIONAL INSTITUTE OF INFORMATICS, TOKYO, Research Intern Mar 2013 - Sep 2013
Intern at Shin'ichi Satoh's group. Participation in TRECVID Instance Search 2013 while researching for my Master Thesis.



UPC IMAGE AND VIDEO PROCESSING GROUP, Research Intern Apr 2012 - Mar 2013
Research in several projects for Mediapro, including a basketball tracking system.

EDUCATION



PHD. IN COGNITIVE SYSTEMS AND VISUAL COMPUTING Jan 2015 - Today
School of Computer Science and Engineering, NTU, Singapore
GPA 4.63/5. Coursework requirements fulfilled: Cognitive Neuroscience & Embodied Intelligence; Human Computer Interaction; Digital Image Processing; Multimedia Information Management.



BSC. AND MSC. IN TELECOMMUNICATIONS ENGINEERING Sep 2008 - Sep 2013
TelecomBCN (ETSETB, UPC Barcelona Tech), Spain
Bachelor and Master Degree with specialty in Communications.
9.5/10 qualification for my Thesis, average grade of 7.33/10, order 33/144 and efficiency of 0.94.

HONORS & AWARDS



SINGA SCHOLARSHIP Jan 2015
Singaporean scholarship for the PhD. joint program between A*STAR and NTU.



OBRA SOCIAL "LA CAIXA" Apr 2015
Scholarship to cover additional conference and travel expenses during my PhD.

PUBLICATIONS

- A. G. del Molino**, JH Lim, AH Tan, "Predicting Visual Context for Unsupervised Event Segmentation in Continuous Photo-streams," in *Proceedings of ACM Multimedia conference*. ACM, Oct 2018
- A. G. del Molino**, M. Gygli, "PHD-GIFs: Personalized Highlight Detection for Automatic GIF Creation," in *Proceedings of ACM Multimedia conference*. ACM, Oct 2018
- J. Lin, **A. G. del Molino**, Q. Xu, F. Fang, V. Subbaraju, J. H. Lim, L. Li, V. Chandrasekhar, "VCI2R at the NTCIR-13 Lifelog-2 Lifelog Semantic Access Task," in *NTCIR*, Dec 2017.
- A. G. del Molino**, B. Mandal, J. Lin, J. H. Lim, V. Subbaraju, V. Chandrasekhar, "VC-I2R@ Image-CLEF2017: ensemble of deep learned features for lifelog video summarization," in *CLEF working notes*, pp. 11-14. Sep 2017.
- A. G. del Molino**, X. Boix, JH Lim, AH Tan, "Active Video Summarization: Customized Summaries via On-line Interaction with the User," in *Thirty-First AAAI Conference on Artificial Intelligence*, Feb 2017.
- A. G. del Molino**, C. Tan, J. H. Lim and A. H. Tan, "Summarization of Egocentric Videos: A Comprehensive Survey," in *IEEE Transactions on Human-Machine Systems*, 47 (1), 65-76, Jan 2017.
- A. G. del Molino**, Q. Xu, and J. H. Lim, "Describing Lifelogs with Convolutional Neural Networks: A Comparative Study," in *Proceedings of the first Workshop on Lifelogging Tools and Applications*, pp. 39-44. ACM, 2016.
- A. G. del Molino**, B. Mandal, L. Li, and J. H. Lim, "Organizing and Retrieving Episodic Memories from First Person View," in *International Conference on Multimedia & Expo Workshops (ICMEW)*, pp. 1-6. IEEE, 2015.

SKILLS & INTERESTS



Native Speaker
Native Speaker
TOEFL iBT 103/120
European B2.2
Basic European A1



Matlab, Python, C++, OpenCV, TensorFlow, Keras, etc
Linux user. Proficient in both Office tools and \LaTeX
Basic knowledge in video and audio editors.



A few pleasures: sailing, traveling, board games, cooking, painting, reading, playing the flute and the piano, cinema, opera...



How to make the most of your passion: I was a sailing instructor in Barcelona the summers of '08 to '11.
How to empower the community: I am part of the leadership of the Artificial Intelligence Singapore LeanIn Circle. I also collaborate in activities organized by GirlsInTech.

During my undergrad, I was part of several student associations:
Vice-President of the IEEE Barcelona Student Branch in 2011-2013;
Active member of the Student's Delegation; intern at the International Student Office;
Member of the student group at ETSETB's Evaluation Committee and Board.

REFEREES



LIM JOO-HWEE

I2R, A*STAR

My PhD. research supervisor
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TAN AH-HWEE

SCSE, NTU

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XAVI GIRO-I-NIETO

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My MSc. supervisor and counselor
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FERRAN MARQUES

ETSETB, UPC

My BSc. and MSc. mentor
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