

## EDUCATION

---

- (Exp.) July 2025 **PhD. Computer Vision and Deep Learning**, Universitat Autònoma de Barcelona, Spain.  
Thesis : (Provisional) “Generative Model Adaptation and Transferring for Small Domains”  
Supervisor : Joost van de Weijer  
Advisor : Bogdan Raducanu
- 2022 **Cambridge ELLIS Machine Learning Summer School**, Cambridge University, United Kingdom.  
European Laboratory for Learning and Intelligent Systems (ELLIS), Cambridge Unit.
- 2019 **MSc. Machine Learning, Data Science and Artificial Intelligence**, *Honours* distinction, Aalto University, Finland.  
Thesis : “Deep Reinforcement Sequence Learning for Visual Captioning”. [Aaltodoc](#).  
Supervisor : Jorma Laaksonen
- 2017 **BSc. Software Engineering**, Complutense University, Madrid.  
Specialised in Artificial Intelligence  
A+ grades and honours scholarships, these including Machine Learning and Evolutionary Computation.  
Thesis : “Several evolutionary approaches to advanced bot development for Pac-Man”. [Paper](#).  
Supervisor : Antonio A. Sánchez Ruiz-Granados  
Advisor : Carlos Cervigon Ruckaüer

## EXPERIENCE

---

- July 2025 **Doctoral candidate at COMPUTER VISION CENTER, Barcelona**  
September 2020 *Learning and Machine Perception Team*  
Focus on efficient Generative Models under data-constrained scenarios.
  - Huawei research project *Deep Lifelong Learning in Open World Scenarios*
  - Audi research project *Transfer Learning for Conditional Video Generation*
  - HPC cluster administrator.
- August 2020 **Project Employee at AALTO UNIVERSITY, Helsinki**  
November 2019 *Extreme Classification Group (aka Rohit Babbar’s group), School of Science*  
Room acoustics modelling with Machine Learning methods Project
  - Led implementation and model training efforts.
  - Analysed and discussed state-of-the-art generative time-series models focused on audio data.
  - Produced insightful visualisations for model behaviour debugging.
- August 2019 **Research Assistant at AALTO UNIVERSITY, Helsinki**  
April 2018 *Content-Based Image and Information Retrieval Group, School of Science*  
MeMAD Project, Video to Text (Horizon 2020 programme)
  - Took part in international research collaboration for accessing and using audiovisual content.
  - Assisted on model training and feature creation.
  - Contributed to periodic international meetings with expertise and new findings.TRECVID Workshop 2018 and 2019, National Institute of Standards and Technology (NIST).
  - Led efforts for 2019 edition challenge on Video to Text task.
  - Analysed and evaluated new optimisation losses based on Reinforcement Learning.
  - Management and development of *DeepCaption* open-source framework.
- June 2017 **Research Assistant at COMPLUTENSE UNIVERSITY, Madrid**  
October 2016 *Artificial Intelligence Department, Computer Science and Eng. Faculty*
  - Studied human traces recollection in web-based games.
  - Analysed and created data recollection techniques.
  - Assisted model training and learning techniques development used by other researchers.
  - Developed platform for centralised dataset creation.

## CONFERENCE PROCEEDINGS

---

- 2024 [Héctor Laria](#), Alex Gomez-Villa, Imad Eddine Marouf, Kai Wang, Bogdan Raducanu, Joost van de Weijer. Assessing Open-world Forgetting in Generative Image Model Customization. **Under review**.
- 2024 [Héctor Laria](#), Kai Wang, Joost van de Weijer, Bogdan Raducanu, Yaxing Wang. NeRF-Diffusion for 3D-Consistent Face Generation and Editing. **VISAPP**.
- 2022 [Héctor Laria](#), Yaxing Wang, Joost van de Weijer, Bogdan Raducanu. Transferring Unconditional to Conditional GANs with Hyper-Modulation. **CVPR**.
- 2021 Yaxing Wang, [Hector Laria Mantecon](#), Joost van de Weijer, Laura Lopez-Fuentes, Bogdan Raducanu. Transfer121 : Transfer Learning for Image-to-Image Translation from Small Datasets. **ICCV**.
- 2019 Alison Reboud, Ismail Harrando, Jorma Laaksonen, Danny Francis, Raphaël Troncy and [Héctor Laria Mantecón](#). Combining Textual and Visual Modeling for Predicting Media Memorability. **MediaEval**.
- 2017 [Laria Mantecón](#), [Héctor](#), Jorge Sánchez Cremades, José Miguel Tajuelo Garrigós, Jorge Vieira Luna, Carlos Cervigon Rückauer and Antonio A. Sánchez-Ruiz-Granados. A Pac-Man bot based on grammatical evolution. **CoSECivi**.

## PUBLICATIONS

---

- 2019 [Mantecon, Hector Laria](#); Laaksonen, Jorma; Francis, Danny; Huet, Benoit. PicSOM and EURECOM experiments in TRECVID 2019. **TRECVID, 23rd International Workshop on Video Retrieval Evaluation**.
- 2018 Mats Sjöberg, Hamed R. Tavakoli, Zhicun Xu, [Hector Laria Mantecon](#) and Jorma Laaksonen. PicSOM experiments in TRECVID 2018. **TRECVID, 22nd International Workshop on Video Retrieval Evaluation**.

## SCIENTIFIC SERVICE

---

**Conference reviewer** ICCV 2021, NeurIPS 2023, ICLR 2024, ICML 2024, NeurIPS 2024, ICLR 2025.

## SKILLS

---

<b>Frameworks</b>	PyTorch, JAX, TensorFlow
<b>Languages</b>	Python, Modern C++, Rust, C, Javascript, Java
<b>Technical</b>	Linux administration, HPC optimization
<b>Soft</b>	Intercultural communication, Teamwork, Listening, Presentation, Visual communication, Decision making, Patience

## AWARDS

---

- 2020 Huawei Research Scholarship
- 2019 Master of Science, Honours distinction
- 2017 Best Bachelor Thesis of the Year award
- 2016 Collaboration Scholarship  
*Ministry of Education, Culture and Sport*  
*Department of Artificial Intelligence, Computer Science and Eng. Faculty, Complutense University*  
Received a research collaboration scholarship as a 4/4 project review from the department.

## LANGUAGES

---

English	● ● ● ● ●
Spanish	● ● ● ● ●
French	● ○ ○ ○ ○

## VOLUNTEERING

---

- > HPC group administrator
- > Student community service
- > Conference reviewer