

# Amanda Duarte

Amanda Cardoso Duarte

Campus Nord Upc - C6-E201  
08034 Barcelona  
Spain  
☎ +34 684 165 796  
✉ amanda.duarte@upc.edu  
🌐 www.amandaduarte.com.br

## Education

- 2018 – 2021(exp.) **Ph.D. student in Computer Science**, *Barcelona Supercomputer Center / Universitat Politècnica de Catalunya (UPC)*, Barcelona, Spain, Marie Skłodowska-Curie fellow.
- 2015–2017 **Master's in Computer Engineering**, *Federal University of Rio Grande (FURG)*, Rio Grande, Brazil.
- 2010–2014 **Degree in Internet Systems Technology / Systems Analysis**, at *Sul-rio-grandense Federal Institute of Education, Science and Technology, Brazil*, Spent a year at Northern Virginia Community College, USA.

## Scholarships and Award

- 2021 **Outstanding Reviewer Award** – International Conference on Computer Vision (ICCV).
- 2018-2021 **Marie Skłodowska-Curie fellow** INPhINIT – "La Caixa" Doctoral fellowship
- 2017 **Facebook/Caffe2 Research Award** - Facebook Research and Academic Relations Program.
- 2015–2017 **National Agency of Petroleum, Natural Gas and Biofuels (ANP) Scholarship** - Master thesis.

## Selected research experience

- Jun – present 2021 **Oxford University / Ecole des Ponts ParisTech**, *Visiting research student under the supervision of Dr. Samuel Albanie and Prof. Gul Varol.*
- Feb – Jul 2019 **Carnegie Mellon University - CMU**, *Visiting research student at the Language Technologies Institute (LTI) under the supervision of Prof. Florian Metze.*
- Jun – Aug 2018 **Johns Hopkins University - Frederick Jelinek Memorial Summer Workshop (JSALT)**, *Six-week-long research program on Machine Learning for Speech, Language and Computer Vision Technology.*
- Sep 2017–May 2018 **Barcelona Supercomputing Center (BSC) - Universitat Politècnica de Catalunya (UPC)**, *Visiting researcher working on video-audio multi-modal retrieval under supervision of Prof. Jordi Torres.*

## Research interests

Computer Vision, Pose Estimation, Sign Language Processing, Multi-modal Learning.

## Selected Publications

- A. Duarte**, S. Palaskar, L. Ventura, D. Ghadiyaram, K. DeHaan, F. Metze, J. Torres, X. Giro-i-Nieto. **How2Sign: A Large-scale Multimodal Dataset for Continuous American Sign Language**. In Conference on Computer Vision and Pattern Recognition (CVPR), 2021.
- L. Specia, R. Arora, L. Barrault, O. Caglayan, **A. Duarte**, D. Elliott, ... , J. Libovicky. **Grounded Sequence to Sequence Transduction**. In IEEE Journal of Selected Topics in Signal Processing, 2020. (Impact factor: 4.9)
- A. Duarte**. **Cross-modal Neural Sign Language Translation**. In 27th ACM International Conference on Multimedia - Doctoral Symposium. October, 2019.
- A. Duarte**, et al. **WAV2PIX: Speech-conditioned Face Generation Using Generative Adversarial Network**. In 44th International Conference on Acoustics, Speech, and Signal Processing (ICASSP), 2019.
- D. Surís, **A. Duarte**, A. Salvador, J. Torres, X. Giró-i-Nieto. **Cross-modal embeddings for video and audio retrieval**. In ECCV workshop, 2018.

## Open-source development projects

- How2Sign** Lead researcher in the creation of a large-scale multimodal dataset for continuous American Sign Language. (Available at: <https://how2sign.github.io/>)
- Speech2Signs** Lead researcher in the project that aims to automatically generate the translation of the speech signal into American Sign Language. (More info available at: [goo.gl/h7e7Yb](http://goo.gl/h7e7Yb)).
- TURBID Dataset** Lead researcher in the creation of a benchmark for underwater image restoration. (Available at: <http://amandaduarte.com.br/turbid>)

## Skills

- Programming Languages PyTorch, Python, C/C++, Matlab, PHP, HTML, CSS
- Portuguese(Native), English(Fluent), Spanish(Intermediate)