

# PAU RIBA FIÉRREZ

Postdoctoral Researcher at Computer Vision Center

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🌐 <http://www.cvc.uab.es/people/priba/> 🐦 @pau\_riba 🌐 [linkedin.com/in/priba](https://www.linkedin.com/in/priba) 📄 [github.com/priba](https://github.com/priba)



## EDUCATION AND TRAINING

Ph.D. Student in Computer Science

**Computer Vision Center**

Grade: Cum Laude

📅 October 2016 – September 2020

📍 Barcelona

- **Topics:** Structural representations, Geometric Deep Learning
- **Visiting:** *University of Fribourg* – Dr. Andreas Fischer Oct–Nov 2017  
*New York University* – Dr. Joan Bruna Jan–Jun 2019
- **Supervisors:** Josep Lladós and Alicia Fornés

M.Sc. in Computer Vision

**Universitat Autònoma de Barcelona**

Grade: 9.44/10

📅 September 2015 – September 2016

📍 Barcelona

Graduated first in the class.

Double B.Sc. in Computer Science and Mathematics

**Universitat Autònoma de Barcelona**

Grade: 8.69/10

📅 September 2009 – June 2015

📍 Barcelona

Graduated with honors

## SELECTED PUBLICATIONS

### Journal Articles

- Riba, Pau et al. “Hierarchical Stochastic Graphlet Embedding for Graph-based Pattern Recognition”. *NCAA* (2018).

### Conference Proceedings

- Riba, Pau et al. “Doodle to Search: Practical Zero-Shot Sketch-Based Image Retrieval”. In: *CVPR*. 2019.
- Riba, Pau et al. “Learning Graph Distances with Message Passing Neural Networks”. In: *ICPR*. 2018.

(Google Scholar h-index=9, full list in my personal webpage)

## SELECTED PROJECTS

Digitus II: Automatic Indexation Service for Handwritten Archives

**AGAUR**

Funding: 20,000€

📅 July 2017 – December 2017

📍 Barcelona

co-PIs: Pau Riba and Marçal Rossinyol

## EXPERIENCE

Intern Student

**Computer Vision Center**

📅 June 2013 – September 2016

📍 Barcelona

Collaborate at different research projects on the topics of: structural pattern recognition, word spotting and optical music recognition.

## STRENGTHS

Computer vision

Machine learning

Deep learning

Graph theory

Python (+Pytorch)

MATLAB

L<sup>A</sup>T<sub>E</sub>X

## LANGUAGES

Catalan



Spanish



English



## HONORS AWARDS



**Best Paper Award**

Venue: ICFHR2020 and ICPR2018



**Market Assessment Program**

Bringing to market technology-based project. Selected, 2017



**UAB Idea Generation Program**

Final Competition Winner, 2016



**Best master dissertation**

M.Sc. in Computer Vision

## TEACHING

B.Sc. / M.Sc. / Ph.D. Theses Supervision

**Universitat Autònoma de Barcelona**

📅 2018 – Ongoing

📍 Barcelona

Software Engineering

**Universitat Autònoma de Barcelona**

📅 2017 – Ongoing

📍 Barcelona

Graph Analysis and Information Search

**Universitat Autònoma de Barcelona**

📅 2019 – Ongoing

📍 Barcelona

Graph-based Methods in Pattern Recognition & Document Image Analysis

**Tutorial ICDAR**

📅 2019

📍 Sydney