

CONTACT

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PROFILE

I am a PhD candidate at the Technical University of Catalonia (UPC). My research interests are self-supervised learning of representations, geometric deep learning and medical image analysis. Currently, I am working in self-supervised algorithms for graph neural networks and their application to the field of computational pathology. I also have professional experience as a Software Engineer and Data Scientist, which provided me with invaluable technical and soft skills. In a nutshell, I would describe myself as a curious, go-getter person with analytical problem solving skills.

SKILLS

Machine Learning	3+ yrs
Graph ML	3+ yrs
Python	3+ yrs
PyTorch	3+ yrs
Java	2+ yrs
Git	4+ yrs

LANGUAGES

Spanish	Native
Catalan	Native
English	C1

OSCAR PINA

Ph.D. Candidate - Machine Learning

EDUCATION

Ph.D., Machine Learning
Technical University of Catalonia (UPC)
Barcelona, Spain

2021 - Present

MEng, Telecommunications Technologies
Technical University of Catalonia (UPC)
Barcelona, Spain

2019 - 2020

BEng, Telecommunications Technologies
Technical University of Catalonia (UPC)
Barcelona, Spain

2015 - 2019

WORK EXPERIENCE

Data Scientist
KBL Group
Barcelona, Spain

Jan 21 - May 21

I worked in research and development of machine learning models and data driven solutions to optimize the company's internal processes and help them meet their business needs.

Software Engineer
VIP District
Barcelona, Spain

Jun 18 - Feb 20

I had a data-specific role, which involved the design and implementation of a BI system to ease the financial data querying and visualization, optimization of the database (SQL), as well as the integration with external APIs to include their information to our system.

TEACHING EXPERIENCE

Deep Learning for Artificial Intelligence
Technical University of Catalonia (UPC)
Barcelona, Spain

Sep 22 - Present

Image and Video Processing
Technical University of Catalonia (UPC)
Barcelona, Spain

Sep 22 - Present

Image and Video Processing
Technical University of Catalonia (UPC)
Barcelona, Spain

Sep 21 - Feb 22

ACHIEVEMENTS

Ph.D. grant

UPC
Awarded with a grant by AGAUR to support my Ph.D.

8th Best Student

UPC
8th best student of the first stage of the Bachelor's degree.

PUBLICATIONS & PROJECTS

**Self-supervised graph representations of WSIs
Geometric Deep Learning for Medical Image Analysis**
Status: Accepted, Oral Presentation

Sep 22

**Structural Networks for Brain Age Prediction
Medical Image with Deep Learning (MIDL)**
Status: Accepted and Published

Apr 22

**Preclinical Alzheimer's Disease Prediction with
Graph Neural Networks**
Technical University of Catalonia (UPC)
Master's thesis, Grade 10/10

Jul 21