



LUCAS VENTURA

Barcelona

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Education

Massachusetts Institute of Technology (MIT)

February - June 2021

EXTERNAL RESEARCHER AT MIT-CSAIL

- Master Thesis under the supervision of Prof. Antonio Torralba.

Universitat Politècnica de Catalunya (UPC)

2019 - 2021

MASTER'S DEGREE, TELECOMMUNICATIONS ENGINEERING

- Specialization subjects: “*Machine Learning*”, “*Computer Vision*” and “*Deep Learning for Artificial Intelligence*”.

Purdue University

January - May 2019

EXCHANGE PROGRAM AT THE SCHOOL OF ELECTRICAL AND COMPUTER ENGINEERING

- Coursed “*Introduction To Data Science*”, “*Software Engineering Tools Lab*” and Final thesis.

Universitat Politècnica de Catalunya (UPC)

2015 - 2019

BACHELOR'S DEGREE IN TELECOMMUNICATIONS TECHNOLOGIES AND SERVICES ENGINEERING

- Speciality in Telecommunications Systems.

Experience

Telefónica Research

July 2020 - December 2020

RESEARCH INTERN

- Research on multimodal embeddings under the supervision of Ferran Diego and Jordi Luque.

Universitat Politècnica de Catalunya (UPC)

February 2020 - November 2020

GRADUATE RESEARCH FELLOW

- Research on Deep Learning applications to computer vision under the supervision of Xavier Giró and Amanda Duarte.
- Extended abstract at SLRTP Workshop: [video](#) and [paper](#).

Google Summer of Code

May 2019 - August 2019

GNSS SOFTWARE-DEFINED RECEIVER

IdeaSquare, CERN

September 2018 - January 2019

CHALLENGE BASED INNOVATION

Beta Robots

July 2017 - September 2017

SUMMER INTERN

Skills

Programming Languages *Experienced:* Python *Familiar:* Bash | Matlab | R | Java | C | C++

Frameworks & Libraries Jupyter | PyTorch | Matplotlib | Numpy | Pandas | Scikit-learn | Tensorflow

Other Software GIT | VIM | LaTeX | PyQt5 | VHDL

Languages *Native:* Catalan | Spanish *Fluent:* English *Beginner:* German

Certifications

- R for Data Science (Udemy)
- Intro to Deep Learning with PyTorch (Udacity)
- Deep Learning Specialization (Coursera)
- Partial Differential Equations (Summer School) at Instituto Superior Técnico, Lisbon