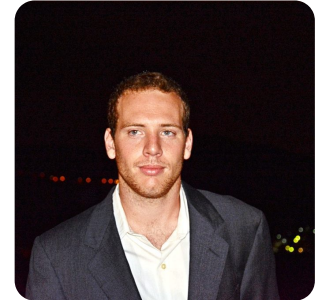


About me

I'm a double degree graduate in Informatics & Industrial Engineering currently studying the Master's degree in Advanced Mathematics and Mathematical Engineering. I mostly specialize on deep learning and their applications in business analytics, speech and autonomus robots.



Experience

Researcher Intern at AutoID Lab, MIT

Boston, US — Feb. 2018 - Aug. 2018

I did my Bachelor Thesis at MIT (AutoID Lab) under the supervision of Prof. Brian Subirana. During the this half year I researched speech deep learning models. The Thesis focuses on building a deep learning model to allow 'wake up sentence' registration for the open conversational commerce project.



Researcher Assistant at LARCA, UPC

Barcelona, Spain — Sep. 2016- Jun. 2017

Obtained a grant to collaborate with Prof. Argimiro A. Arratia. During the colaboration I created interactive educational material and clustered financial data using R Shiny.



Summer Internship at Hewlett Packard

Sant Cugat, Spain — Jun. 2016 - Sep. 2016

Designed a tool to automatically detect errors on servos and an algorithm to detect mediaedge using the cutter signal under the supervision of Javier Rosas.



Volunteer at BEST Barcelona

Barcelona, Spain — Sep. 2015 - Jan. 2018

Topic Responsible of the EBEC (European BEST Engineering Competition) Barcelona Local Fase:

- Coordinating a team of 10 members in order to write the 3 tasks that 100 students had to solve in a limited time. One of the task was sponsored by CARNET.
- Responsible for the material, the jury and organization needed for the competition.
- We appered in the news on TV3:



IT Developer:

- Developed a [polling web applications](#) with Iñigo Moreno so our members can vote. It's running on Node JS, MongoDB, has a Google log in and it's responsive. Mainly focused on the back-end.



Hackathons



I have attended 7 hackathons in different cities including Cambridge, Stirling and Barcelona. On all of them I've learned a lot of things and on two of them my team won the first prize (about 2000\$). Click on the hexagons to get more information of each hackathon.

Education

Master's degree in Advanced Mathematics and Mathematical Engineering

Barcelona, Spain — Sep. 2018 - Jun. 2019

- Discrete Mathematics: Graph Theory, Codes an Cryptography & Discrete and Algorithmic Geometry
- Scientific Computing: Numerical methods for dynamical systems



Facultat de Matemàtiques
i Estadística


UNIVERSITAT POLITÈCNICA DE CATALUNYA

Multidisciplinary Engineering at CFIS, UPC

Barcelona, Spain — Sep. 2013 - Aug. 2018


Coursed a Double Degree Program. Apart from the two degrees I took other complements as:

- Deep Learning for Speech and Language at UPC ETSETB TelecomBCN.
- Introduction to Deep Learning at UPC ETSETB TelecomBCN.
- Programming Contests Training.




UNIVERSITAT POLITÈCNICA DE CATALUNYA
BARCELONATECH

Centre de Formació Interdisciplinària Superior




Informatics Engineering

Computing specialization
Honors in: Programming, Probability & Statistics



Industrial Engineering


Honors in: Geometry, Business & Economics



Bachelor of Science

Barcelona, Spain — Sep. 2011 - Jun. 2013

Bronze medalist at Spanish Olympiad in Physics



Languages

English

First Certificate at 14. I've lived for half a year in Boston.

French

Learned at high school. I obtained the A2 Certificate.

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Programming

Others

Catalan

Native


Spanish

Native

●●●●●


●●●●●

C++

●●●●●


I have been doing projects with it since I began the unviversity.

JavaScript

●●●●●


I prefer using TypeScript when possible.

Python


●●●●●

Learned at unviversity. Used among other projects at my Degree Thesis.


Java

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Node JS

●●●●●


TensorFlow

●●●●●


Bash

●●●●●○


Git

●●●●●○

R

●●●●●○

Matlab

●●●●○

Car & Motorcycle driving license



MIT Sailing Rating



Advanced Open Water Diver

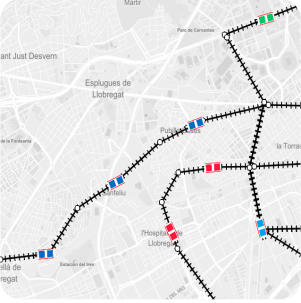


Etoile d'or Skier



Showcase

Railmap Challenge



In this hackathon we did a simulation of the Barcelona metro map using real timetables.

Demo