

# Alex Molas

## DATA SCIENTIST

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### EXPERIENCE

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**Senior Data Scientist - *Stuart* - Barcelona, Spain** Nov. 2019 – Present

- **Stuart** is an on-demand last-mile platform with a focus on logistics for a sustainable world.
- Worked in the ETA prediction group, developing a service to forecast pre-order ETAs. Improved previous performance +30% by introducing real-time data to the model.
- Designed a strategy to monitorize in an efficient way the ETA predictions in areas of interest.
- Developed a dispatcher to solve the assignment problem using Python and ortools.
- Developed a machine learning system to estimate the acceptance probability of couriers.
- Build a service to visualize the ETA prediction accuracy from different perspectives and democratize the analysis.
- **Skills:** *AWS, Python, Dash, TensorFlow, Docker, Forecasting, Machine Learning, Optimization, Operations Research, SQL.*

**Data Scientist - *21 Buttons* - Barcelona, Spain** June 2019 – Oct 2019

- **21 Buttons** was a fashion social network where you could earn money from sharing your looks on the feed.
- Implemented recommender systems based on implicit data, using techniques such as Alternative Least Squares, Bayesian Personalized Ranking, and Logistic Matrix Factorization.
- Collaborated in machine learning projects to automatize the classification of texts and images.
- **Skills:** *AWS, Python, Complex Networks, Machine Learning, Recommender Systems, SQL.*

**Data Scientist - *Privalia (Veepee)* - Barcelona, Spain** May 2018 – June 2019

- **Privalia** is a retailer company that sells products through online flash sales.
- Implementation of sales forecasting models for clearance campaigns.
- Development and deployment of a pricing engine for clearance campaigns.
- **Skills:** *AWS, Forecasting, Google Cloud Platform, Machine Learning, Python, Spark, SQL.*

**Data Analyst - *Gauss & Neumann (SEM tech)* - Barcelona, Spain** Oct 2017 – Feb 2018

- **Gauss & Neumann** provides tailored services aimed at companies with large SEM investments.
- Implementation of tailored SEM structures for companies with a intensive SEM spending.
- Development of tools to monitor and optimize SEM campaigns.
- **Skills:** *Data Analysis, Google AdWords, Python, SEM.*

### PROJECTS & COURSES & CONTESTS

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**amolas.dev | Blog** 2020 - Currently

- Personal blog about: machine learning, maths, engineering, etc.

**Aily Labs Datathon | Contest** 2022

- 1st place in the Aily Labs 2022 Computer Vision Datathon.

**Novartis Datathon | Contest** 2018, 2020, and 2021

- Participated in the Financial Datathon organized by Novartis and Eurecat. 1st place in the 2021 edition.

**Machine Learning, Stanford University | Coursera** 2020

- Broad introduction to machine learning, data mining, and statistical pattern recognition.

**Nature Communications | Publication** 2019

- Published the paper “Field theory for recurrent mobility” in Nature Communications.

### EDUCATION

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**CSIC-IFISC - *M. Sc. Physics for Complex Systems* - 2016 – 2017** Palma de Mallorca, Spain

- *Final grade 9.1/10*

**Autonomous University of Barcelona - *B. Sc. Physics* - 2012 – 2016** Barcelona, Spain

- *Final grade 7.8/10*