

Luis Montero

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EXPERIENCES

XBRAIN | DATA-SCIENCE INTERN

February 2019 – August 2019 | Menlo Park, California, United States of America
 xBrain is a company that offers AI solutions to transcend customer experience.

- Data-vizualisation for conversational agents.
- Natural Language Processing/Understanding.
- Clustering, data-analysis ...

(PYTHON: MATPLOTLIB, BOKEH, PYDOT, PYTORCH, GENSIM, FLASK, SKLEARN FASTTEXT, SPACY, PANDAS, JUPYTER...GIT).

BIOMÉRIEUX | MACHINE LEARNING INTERN

June 2018 – August 2018 | Grenoble, France
 (Non-disclosure agreement)

- Application of convolutional neural networks on genomic data.
- Development of classification tools with **KERAS, TENSORFLOW AND SCIKIT-LEARN.**

PARIS DIGITAL LAB | DEVELOPER & AGILE PROTOTYPER

August 2018 – February 2019 | Paris, France

ParisDigitalLab is an open innovation training device to enable students to become proficient in various technologies, through the realization of real-world projects.

Projects:

- Computer Vision project applied to Industry 4.0 for BCG Platinion (PYTHON: KERAS, SCIKIT-LEARN, BOTO3 (AWS), PYMONGO, OPEN-CV, DJANGO. NODE.JS, REACT, DOCKER, GIT).
- Predictive analysis of possible evolutions of the parisian "peripherique" for Qualitadd with an important data-vizualisation component. (PYTHON: PANDAS, NUMPY, JUPYTER, IPYLEAFLET, MATPLOTLIB. D3.JS, REACT, DOCKER, GIT).
- Project for DGSE (undisclosed subject)

PARIS-SUD UNIVERSITY | ASSOCIATION PRESIDENCY

May 2017 – May 2018 | Orsay, France

Presidency of the Association of Mathematics Students.

- Events organization (Chess Tournament, \LaTeX classes, Integration weekend, Parties,...).
- Clothes sales (Sweatshirts and goodies).

FIRST PRIZE AT THE FRENCH OLYMPICS OF PHYSICS | NATIONAL STUDENT COMPETITION OF PHYSICS

February 2014 | Marseille & Paris , France

TECH SKILLS

PROGRAMMING

PYTHON

Pandas • Scikit-learn • Tensorflow • Keras • Pytorch • Open-CV • Numpy • Django • Boto3 (AWS) • Pymongo (MongoDB) • Jupyter • Gensim • Spacy • ...

R • C • C++ • Java • Matlab • VBA • HTML • CSS • Javascript • Git • SQLite • MongoDB • \LaTeX • basis in assembly (MIPS), lex

OS

Windows • MacOS • Linux

SOFTWARES

Sage Math • Microsoft Office • Gimp • Photoshop

EDUCATION

PARIS SACLAY UNIVERSITY & ECOLE POLYTECHNIQUE | M2 DATA SCIENCES

September 2019 - August 2020 | Paris, France

CENTRALESUPELEC | DIGITAL TECH YEAR (GAP YEAR)

August 2018 - August 2019 | Paris, France

The Digital Tech Year is a highly selective gap year program for makers and tech-talented students proposed by CentraleSupélec, a french top-tier engineering school.

PARIS SUD UNIVERSITY & ENSTA PARISTECH | FIRST YEAR OF MASTER'S DEGREE IN APPLIED MATHEMATICS

September 2017 - August 2018 | Palaiseau & Orsay, France • GPA: 4.0 (14.91/20 in France)

Paris-Sud University is a top-tier University in mathematics, ranking #2 in the Shanghai Ranking.

- Speciality in Statistics and Probability.
- Optional courses on databases, stochastic calculus, time series, machine learning and C++ for mathematics.
- Projects:
 - Electric consumption forecasting (R).

- Genetic algorithm to solve the traveling salesman problem (C++).

PARIS SUD UNIVERSITY | BACHELOR'S DEGREE IN MATHEMATICS

September 2014 - May 2017 | Orsay, France

LANGUAGES

- **Native fluency:** French, Spanish
- **Fluent:** English
- **Basics:** Latin, Ancient Greek