

Rafael BLANCO

COMPUTER SCIENTIST

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Education

Télécom SudParis (Double Degree)

M1 AND M2 COMPUTER SCIENCE FOR COMMUNICATION NETWORKS

GPA 4.4/5.0

Évry, France

Sept. 2018 - Aug. 2020

Simón Bolívar University

COMPUTER SCIENCE

GPA 4.3/5.0

Caracas, Venezuela

Sept. 2013 - Aug. 2020

Projects

Exploring Carnivorous Plant Habitats based on Images from Social Media

[FLASK, HTML 5, CSS 3, JAVASCRIPT, SQLALCHEMY]

- Poster submitted at the IEEE Conference on Visualization (IEEE VIS, October 20–25, Vancouver, Canada), 2019.
- Interactive visualization system of carnivorous plants on a world map.
- Distribution maps generated and compared with traditionally established maps.

AVIZ, INRIA

Dec. 2018 - Jul. 2019

Machine Learning Part-of-speech Tagger, out of domain

[PYTHON]

- Machine learning multiclass classifier, considering three features: word of interest, window of words around, and suffixes.

Université Paris-Sud

Jan. 2019 - Apr. 2019

Machine Learning Classifier for insemination in cows

[PYTHON, TENSORFLOW, PANDAS]

- Machine learning classifier to predict results of Holstein dairy cattle insemination.
- Data cleaned and preprocessed to apply machine learning techniques.

Simón Bolívar University

Apr. 2018 - Jun. 2018

Courses

Deep Learning Specialization

[TENSORFLOW, KERAS]

- Neural Networks, Deep Learning, Convolutional Neural Networks, Sequence Models.

deeplearning.ai, Coursera

Apr. 2020

IBM Data Science Specialization

[PYTHON, PANDAS, SCIKIT-LEARN]

- Data Science Methodology, Databases, Data Analysis, Data Visualization and Machine Learning.

IBM, Coursera

May 2020

Introduction to BigData : data and massively parallel computing

[PYSPARK, HADOOP]

- Relational, Distributed, NoSQL, Parallel and Graph Databases. Parallel Data Processing with MapReduce.

Centrale Supélec

Apr. 2019 - Jun. 2019

Interactive Information Visualization

[P5]

- Create, navigate and analyze visual data representations.

Université Paris-Sud

Nov. 2018 - Feb. 2019

Artificial Intelligence I and II

[TENSORFLOW, C++]

- Heuristic Search, Game trees, Constraint satisfaction problems (CSPs), Satisfiability (SAT).

Simón Bolívar University

Jan. 2018 - Jun. 2018

Experience

Ember Project, AVIZ, INRIA

RESEARCHER INTERN

- Study how digital traces can be surfaced in the world to support users in everyday activities.
- Structured review of the literature, design space of situated visualizations of digital traces, prototype and evaluation of a system.
- Design and implement an embedded data representation to display nutritional facts on dishes using Augmented Reality technologies.
- Provide and evaluate a new method to embed and log data from intakes calories and nutrients on dishes with Computer Vision techniques and Pointing interaction.

Gif-sur-Yvette, Île-de-France, France

Mar. 2020 - Aug. 2020

Skills

Coding C++, C, C#, Java, Python, Ruby, Haskell, SQL, Shell

Softwares TensorFlow, Unity3D, Neo4j, RabbitMQ, MatLab, R

Web development HTML 5, JavaScript, CCS 3, Bootstrap, REST

Languages Spanish (native), English (TOEFL 2018: 89/120), French (pre-intermediate)