Ricardo Ocampo

Data Scientist

Ricardo Ocampo is on the data team at PropertyFinder. He studied a MSc in Computer Science and focused on artificial Intelligence. Some of his recent work has aim on improving processes, such as automatic detection of diabetic retinopathy and cancer, revenue optimization of oil midstream, and UBI pricing and score models for the car insurance industry.

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Dubai, United Arab Emirates

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WORK EXPERIENCE

Data Scientist
PropertyFinder

02/2018 – Present *Dubai, United Arab Emirates*

Propertyfinder.ae is the largest real estate website in the UAE with a wide range of residential and commercial properties for sale and for rent.

Achievements/Tasks

- Improved the image quality score algorithm for listings. Implemented a machine learning pipeline that automatically assesses the image quality from its pixel structure.
- Designed and implemented the official house price index for Dubai.
- Created and implemented the architecture for a real-time listing recommendation system.

Machine Learning Engineer
Crabi

06/2017 – 03/2018 *Guadalajara, Mexico*

Usage-based insurance with the power of Telematics. Startup in formation stage.

Achievements/Tasks

- Designed and implemented the auto insurance premium calculation using different approaches like traditional heuristics and generalized linear models.
- Data analysis of GPS and accelerometer raw values for driver risk assessment model.

Data Scientist
Wizeline

11/2016 – 07/2017 *Guadalajara, Mexico*

Achievements/Tasks

- Design of an algorithm that aims to find the optimal oil flow that minimizes cost of transportation for the US Market.
- Improvement of the legacy algorithm running time to execute from 30 minutes to half a second and guaranteeing optimal results.

EDUCATION

MSc in Computer Science, Artificial Intelligence
Tecnologico de Monterrey

2012 – 2014 *96/100*

Publications

- Improving Pattern Classification of DNA Microarray Data by using PCA and Logistic Regression.
- Pattern Analysis in DNA Microarray Data through PCA-Based Gene Selection.
- Automatic Construction of Radial-Basis Function Networks through an Adaptive Partition Algorithm.
- Image Processing for Automatic Reading of Electro-mechanical Utility Meters.

SKILLS

Machine Learning ●●●●○

Computer Vision ●●●●○

Research ●●●●○

Python ●●●●○

Java/Scala ●●●○○

C/C++ ●●●○○

No SQL ●●●○○

AWS/Docker ●●●○○

HONOR AWARDS

Highest honors in MS Computer Science (2014 – Present)
Tecnologico de Monterrey

LANGUAGES

Spanish ●●●●●

English ●●●●●