

# SEBASTIAN CORREA

## MECHATRONIC ENGINEER



### PROFILE

Engineer with experience in data management, modeling based on NN, RNN, deeplearning and CNN, in pattern recognition and processing of images, and time series. Construction of web applications with Python as backend, and PostgreSQL databases. Development of mobile applications for AI solutions.

### CONTACT INFO

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### SKILLS

- Web Developer
- Data Scientist
- Apps Developer
- Data Analyst
- Lidership
- Problem resolution
- Teamwork
- Interest in learning new skills

### EXPERIENCE

- |                  |  |
|------------------|--|
| May<br>2016      | <b>Development manager at Metis Consultores</b>  |
| August<br>2017   | Python Django web application developer, using PostgreSQL databases. Software Analyst, supervise the correct execution of the development work team, tests and start-up of the different applications. |
| June<br>2017     | <b>Research associate at University EIA</b>  |
| December<br>2017 | Photographic survey, data processing and analysis for the project, Precision of digital elevation models obtained with low cost drones.  |
| June<br>2016     | <b>Research associate at University EIA</b>  |
| Agosto<br>2017   | Analysis and construction of Machine Learning models, neural networks, support vector machines for credit risk and client evaluation for the Belén cooperative.  |
| January<br>2017  | <b>Professor at University EIA</b>   |
| July<br>2017     | Lecturer of the subjects, Fundamentals of Programming, Analysis of Decisions.  |

## SOFTWARE

HTML	●	●	●	●	●
CSS	●	●	●	●	●
JavaScript	●	●	●	●	●
Python	●	●	●	●	●
Keras	●	●	●	●	●
Tensorflow	●	●	●	●	●
OpenCV	●	●	●	●	●
Django	●	●	●	●	●
PostgreSQL	●	●	●	●	●
Java	●	●	●	●	●
Octave, Matlab	●	●	●	●	●
Eclipse	●	●	●	●	●
Android Studio	●	●	●	●	●
X-code	●	●	●	●	●
Swift	●	●	●	●	●
CoreML	●	●	●	●	●
Objective-C	●	●	●	●	●

## OTHER STUDIES

- 2016 **Machine Learning**  
Stanford University - Coursera
- 2016 **Data Science and Machine Learning Essentials**  
Microsoft through edX
- 2016 **Intro to iOS App Development with Swift**  
Udacity
- 2016 **Learn Swift Programming Syntax**  
Udacity
- 2016 **Introduction to computer vision**  
Universidad Carlos III de Madrid through edX
- 2016 **Introducción a C++**  
Microsoft - DEV210x through edX
- 2015 **Autonomous Navigation for Flying Robots**  
Technische Universität München through edX

- October 2015 **Engineer of Technological Projects at Unión Eléctrica**
- March 2016 Resident engineer of technological projects, assembly, management of resources and personnel for the project; Implementation of a Facial recognition, LPR and conventional analytical system for the Medellín City Hall and Police.
- January 2015 **Research at University EIA**
- October 2015 Project. Analysis of the thermal behavior of coverages in urban environments using unmanned aerial vehicles (UAV's). Manipulation and design of unmanned aircraft. Usages of GIS tools and information processing.
- January 2014 **Technical management and projects - Internship at Compañía Nacional de chocolates**
- July 2014 Project management assistant. Evaluation, design, purchase of supplies and execution of innovation projects in the production area of the company. Project. Automatic cleaning system transporting chocolate.

## EDUCATION

- 2017/2018 **Master in artificial intelligence, shape recognition and digital image**  
Universitat Politècnica de València
- 2010/2014 **Mechatronic Engineer**  
Escuela Ingeniería de Antioquia
- 2016/2017 **Web Development Certification**  
Next University

## LANGUAGES

- Spanish Native
- English B2 / IELTS