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**Languages:**

- **Mother tongue:** Spanish
- **English:** Upper-intermediate level (B2). TOEIC exam: 785/990 (May 2016).
- **French:** Basic level.

Currently, I am working in Alten Nice for Schneider Electric. I have studied a two-year master program in Data Science offered by the EIT Digital Master School at the Universidad Politécnica de Madrid UPM (first year) and the Polytech Nice Sophia UNS (second year) in a multidisciplinary and international environment. The whole program is taught in English.

I am also graduated of Computer Science degree at the UPM. I consider myself a responsible, hardworking and steady person. I would like to continue learning in different branches of Computer Science in the next years, such as Data Science and Cybersecurity, combining these postgraduate studies with work experience.

During these last years, I have combined the last year of my degree and the first year of my master's degree with work in leading companies in the IT sector in Madrid, reaching almost 2 years of experience.

## Working experience

### Big Data Software Engineer at Alten Nice (March 2019 – Currently).

1st Mission → Schneider Electric (Abril 2019- Currently): design and development authorization (RBAC) API using jCasbin and spring boot in Java. design Nifi flow (ETL) for processing in real time data gathered from the devices.

### Data Architect internship at GMV (February 2018 – July 2018).

I have worked as a Data Architect at GMV, where I have participated in Big Data projects, creating the architectures and deploying the infrastructures at AWS. I have used many Big Data ecosystem tools such as Spark, HDFS, Kafka, Yarn, NIFI and NoSQL Databases such as Elasticsearch, among others.

### Internship at everis Consulting (September 2016 – July 2017).

I started an internship in everis in September 2016. I worked in the technology architecture department on an international project with major companies such as Huawei and Telefonica. I worked with service-oriented (SOA) tools like JDeveloper and life cycling tools such as Git, Jenkins and Maven for Continuous Integration.

## Education

### Université Nice Sophia-Antipolis (UNS) (2018 – 2019).

**Second year - Master degree in Data Science (in English).** AMADEUS Seminars: 2 Nov 2018 and 9 Nov 2018

### Polytechnic University of Madrid (UPM) (2017 – 2018).

**First year - Master degree in Data Science (in English).** We combine theoretical and practical courses related to the area of Big Data, Data Analysis and Data Mining, with innovation and entrepreneurship activities. We always work in teams in a multidisciplinary and international environment.

### Polytechnic University of Madrid (UPM) (2012 – 2017).

**Bachelor's Degree in Computer Engineering.** I studied Computer Engineering at the Polytechnic University of Madrid (UPM). I'm interested especially in Artificial Intelligence, Information Security and Big Data. Although I believe that all branches are interesting and a great opportunity for improve.

## Personal skills and competences

- Java and Scala (Advanced).
- SQL (Expert)
- Spark and Flink (Basic)
- NoSQL: HBASE; Elasticsearch and Cassandra (Expert)
- Python (Advanced)
- R (Advanced).
- Bash Scripting (Expert)
- Groovy (Basic)
- Python Machine Learning and Computer Vision Libraries
- API Management (Advanced)
- Maven (Advanced)
- Git (Advanced)
- Jenkins (Advanced)
- Hadoop Ecosystem (HortonWorks): Nifi, HDFS, Spark, Kafka (Advanced)
- HTML, CCS and PHP for Wordpress (Expert)
- AWS: EC2, S3 and RDS (Advanced)
- Computer System Administration: Linux (Advanced).
- High capacity for teamwork.
- Adaptability to different environments.
- Ability to make oral presentations.
- Initiative, leadership and good communication
- Office: Word, Excel, PowerPoint (Expert).

## Personal Projects

### GPS Location Tracker

Android service (running in background) that sends every 40 seconds information about the Smartphone to a server such as: location, device IMEI, battery status, battery health, phone temperature etc. Based on the location (lat and long) connect to different APIs to get further information: Google places and OpenWeatherMap APIs. Store the data in elasticsearch and visualize the data using Kibana.

### ACB Analytics

Extract the information about the Spanish Basketball League (ACB) matches since 1994 and perform advanced statistics (using python) and visualizations (using Tableau and python) over the teams, players, coaches and referees. Try to predict match result using different ML algorithms. Publish results on twitter account: [@acbanalytics](#)

### IDTS Platform (Final Master Degree Project)

Intelligent Drone Tracking System. Platform to manage fleet of drones, operations and pilots in real time by analyzing the logs produced by the drones. Expose REST API where the drones post the data. Process the data using Nifi and store each log in Elasticsearch. Store the original log files and the photos-videos in S3. Build the technical dashboards using Kibana. Manage the platform as a web portal in Google Engine APP (in GCP) using Java servlets. All the platform services (architecture) deployed in AWS EC2 except the web portal (in GCP).

## Additional information

### EIT Digital Summer School (August 2019)

EIT Summer School: two weeks in Budapest. Topic: "Machine Learning for Financial data". design business model for a real customer. final product: HOOT → software to detect and prevent shoplifting by using deep learning techniques. 1st position in the two weeks competition.

### RPAS Pilot – Remotely Piloted Aircraft System

Theoretical Advanced Certification for RPAS pilots and Practice Certification for RPAS between 0kg and 5kg, both certified by FlySchool Madrid and EagleVision, respectively. The Medical Certificated is certified by AESA.