



# Ignacio Atencia Jiménez

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## WORK EXPERIENCE

 **VODAFONE INTELLIGENT SOLUTIONS (VOIS) – MÁLAGA, SPAIN**

**JR. SOFTWARE SPECIALIST – 31/01/2025 – CURRENT**

### Responsibilities:

- **Full-Stack and End-to-End** features development using **Angular** (front-end) and **Java Spring** (back-end).
- Collaboration a **high-impact solution** for a leading technology client in **Germany**.
- Work effectively in an **international**, cross-functional **Agile team** (Scrum Masters, QA Testers, Developers), using **English** as the primary working language.
- Active participation in **Agile ceremonies**, including **Technical Refinement**, **Sprint Planning**, and **Retrospectives**.
- Use of Scrum tools such as **Jira** and **Confluence** for backlog management, sprint tracking, and documentation.
- Application of **version control** practices with **Git**, **Bitbucket**, and **GitHub**, and management of **CI/CD pipelines** via **Jenkins** for continuous integration and delivery.
- Worked within **GNU/Linux** virtualized environments for development, testing, and deployment.

### Key Accomplishments:

- Led **Daily Stand-Up** meetings.
- Implemented and maintained automated tests with **Cypress** and **Storybook**.
- Designed, documented, and maintained **reusable UI components** with **Storybook**, strengthening the project's **Style Guide** and design consistency.
- Proactively identified and **resolved critical bugs**, contributing to a more stable and maintainable codebase.

 **VODAFONE INTELLIGENT SOLUTIONS (VOIS) – MÁLAGA, SPAIN**

**APPLICATION DEVELOPER – 15/11/2023 – 15/08/2024**

Website development for Unicaja bank.

### Responsibilities:

- Front-end applications development using **Javascript**, **HTML** and frameworks such as **React** and **Next.js**.
- Backend solutions using **Node.js** and **Express**.
- Data treatment using **Python**.
- Data storage using **MongoDB**.
- Use of **Figma** UX/UI designs for app development.
- Use of Collaborative platforms (**GitHub**, **GitLab**).
- Working with agile method (**SCRUM**).

### Key accomplishments:

- Normalization of excel data using **Python**.
- Development of an **end-to-end** solution for a real customer.
- Implementation of an **IoT tracking system** with interactive visualization of devices on a map.
- Development of a **user management system**.
- Implementation of a robust **multifactor authentication** system for increased security.
- Swift launch of the app within 6 months.

## PUBLICATIONS

2024

[\*\*Neural Network Ensemble to Detect Dicentric Chromosomes in Metaphase Images\*\*](#)

### Key accomplishments

- Innovative application of Neural Network Ensembles in Biological Dosimetry with Python.
- Data manipulation and analysis using Pandas and NumPy.
- Application of morphological filters using OpenCV library.

- Optimization of Medical Diagnostic Processes
- Multidisciplinary Collaboration

Atencia-Jiménez, Ignacio et al. Applied Sciences. 14. 10440. 10.3390

## ● EDUCATION AND TRAINING

**MASTER BIG DATA, DATA SCIENCE & ARTIFICIAL INTELLIGENCE** Complutense University of Madrid

### Key accomplishments:

- Administration of Linux environments and version management with Git (GitHub, GitLab, Bitbucket) using GitFlow for collaborative work.
- Design, modeling and management of relational (SQL) and non-relational (MongoDB) databases.
- Data analysis and insights generation in business environments using Tableau.
- Creation of static and interactive graphics with Python (Matplotlib, Seaborn, Plotly, Bokeh) and development of dashboards and geospatial maps.
- Advanced statistical analysis: descriptive statistics, inference, predictive modeling, hypothesis testing and data-driven decision making.
- Predictive modeling and pattern analysis with Machine Learning techniques, including classification, regression, clustering, time series and geospatial analysis.
- Development of deep neural networks (CNNs for image processing, RNNs for time series, NLP and generative models such as Autoencoders and GANs) using Keras and TensorFlow.
- Distributed processing with Big Data and tools such as HDFS, Spark SQL, MLlib and Streaming; development in Google Cloud (Dataproc, BigQuery, PubSub).
- Implementation and optimization of machine learning models in production environments, including integration, monitoring and real-time processing.

01/09/2018 – 01/07/2024 Malaga, Spain

**BSC. BIOMEDICAL ENGINEERING** University of Málaga

### Key accomplishments:

- Data manipulation and application of Machine Learning techniques using Python.
- Implementation of Data Structures and Algorithms applying Object Oriented Programming (OOP) principles, using Java
- Database querying using SQL
- Statistical & Probabilistic Data Analysis using R.
- Calculus & Linear Algebra
- Comprehension of human biological processes, as well as human anatomy & physiology

**Final grade** 8.19 out of 10

01/09/2022 – 31/05/2023 Oulu, Finland

**ERASMUS+ IN FINLAND** University of Oulu

2021

**R COURSE IN DATA SCIENCE** University of Málaga

2020

**DEEP LEARNING COURSE** Deep Learning Institute DLI, NVIDIA

01/07/2019 – 01/08/2019 Salisbury, Maryland, United States

**LANGUAGE IMMERSION SCHOLARSHIP** Salisbury University

## ● LANGUAGE SKILLS

Mother tongue(s): **SPANISH**

Other language(s): **ENGLISH (C1) | FRENCH (B1)**

## ● SKILLS

Python | SQL | Node.js, React.js | Microsoft SQL (basic) | MongoDB | Java | R | HTML | CSS | Javascript | MatLab | GitHub | GitLab | Git | Javascript(Nodejs, Expressjs)