

## PERSONAL INFORMATION

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**Name:** Ignacio Basagoiti Carreño  
**Contact Number:** 616 36 7227  
**E-mail:** ignacio.bas.car@gmail.com  
**Birthdate:** 2 de febrero de 1995  
**Nationality:** Spanish



## EXTRACT

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Biomedical engineer specialized in data science. Youngest child in a family of four siblings. High degree of commitment and ability to work in a team. Passionate about new challenges and learning that this may entail.

## TRAINING

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- [ 2017 – 19 ]     Master's Degree in Electrónica Engineering** - Universidad Politécnica de Madrid (ETSIT)  
Final Master Project: Development and implementation of a methodology for estimating the input function estimated from PET image - Unidad de Cartografía Cerebral, Instituto Pluridisciplinar.
- [ 2013 – 17 ]     Bachelor's Degree in Biomedical Engineering** - Universidad Politécnica de Madrid (ETSIT)  
Final Degree Project: LSD-SLAM adaptation for real-time endoscope localization in surgical videos - Grupo de Bioingeniería y Telemedicina.

## PROFESSIONAL EXPERIENCE

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**[ March 2020 – October 2021 ]     MBD Analytics: Data Scientist**



- ETL process and pipelines developed in cloud environments (AWS, Google Cloud) and local: python, pyspark.
- ML models developed in Python using Scikit-learn and Stats Models:
  - Regression Models
  - Classification Models.
  - Non supervised Models and clusterization.
- Web Applications - dashboards using Flask:
  - ML models serving.
  - Frontend: using JavaScript, HTML y CSS. Cuantitative and geospatial data visualization libraries: Plotly y Leaflet.
  - Backend: python, relational databases design (PostgreSQL).
- Optimization models (MILP) development using python (PuLP).
- GCloud APIs usage: Cloud Natural Language API for sentiment analysis and DialogFlow for chatbot implementation.

**[ May 2019 – November 2019 ]     Sermes CRO: Software Engineer, Big Data**



- Android App development.
- Web Application development.
- Tools used: Python, Java, JavaScript, Django, Flask, PostgreSQL, MySQL, Git, VisualStudio Code, Anaconda, Android Studio, Dbeaver, phpMyAdmin, Weka

## TECHNICAL KNOWLEDGE

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- **Programming Languages::** Python, JavaScript, CSS
- **IDEs:** Spyder, Jupyter Notebook, Visual Studio Code
- **Databases:** MySQL, PostgreSQL
- **Development Tools:** Git, Docker
- **Web Frameworks:** Flask
- **Data Science Tools:** Pyspark, Matplotlib, Pandas, Numpy, Scikit Learn
- **Cloud Environments:** Google Cloud (Professional Data Engineer), AWS (Architect Associate)

## LANGUAGES

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**English:** Título First Certificate in English (FCE)