

## Juan Sanchez-Blanco

juans.mam2023@london.edu +34 639101127 www.linkedin.com/in/juan-sanchez-blanco/

---

### EDUCATION

- 2022 - 2023**     **London Business School, London, UK**  
Reading for Masters in Analytics and Management
- 2017 - 2022**     **Comillas Pontifical University (ICAI), Madrid, Spain**  
Degree in Electronics Engineering  
GPA: 7,75/10 (1 honourable mention).
- 2017 - 2022**     **Comillas Pontifical University (ICAI), Madrid, Spain**  
Degree in Business Analytics  
GPA: 8,35/10 (3 honourable mentions).

---

### BUSINESS EXPERIENCE

- 2021 - 2022**     **ACCIONA S.A, Madrid, Spain**  
**Sustainable infrastructure & renewable energy solutions**  
**Big Data & Artificial Intelligence Analyst Internship (18 months)**
- Processed and analysed real-time data and built neural network models applied to 9 optimisation problems, saving over 100K USD in water supply maintenance over 6 months.
  - Implemented algorithms to aid in automation of industrial processes of over 20 water plants alongside a team of experts in AI; built 3D visualisations of water plants to assist in training and maintenance.
  - Collaborated with a team of expert data scientists to construct state of the art data pipelines and algorithms for 7 different internal solutions.
  - Provided 5 extensive visual reports to plant managers and IT managers explaining findings of data models through web-based platforms and dashboard tools (Tableau & PowerBI).
  - Verified cloud databases and ETL processes; Developed programming language skills in Scala, R and Python, and created machine learning models using Scikit-Learn, Tensorflow & PyTorch libraries.
- 2021 - 2022**     **COMILLAS PONTIFICAL UNIVERSITY, Madrid, Spain**  
**Higher education institution**  
**Undergraduate Student Thesis (9 months)**
- Spearheaded project analysing thousands of medical records on migraine patients using natural language processing techniques.
  - Developed a transformer-based machine learning model to classify patients in 5 different categories using unstructured text data as input.
  - Created 20 strong visualisations and a comprehensive dashboard through PowerBI to further understand results and guide decision-making for future patients.
- 2020 - 2020**     **COMILLAS PONTIFICAL UNIVERSITY, Madrid, Spain**  
**Higher education institution**  
**Teaching Assistant in Electronics (6 months)**
- Led electronics laboratory exercises, revised exams and delivered online lessons to over 30 incoming students from abroad.
  - Gained valuable educational insights working alongside tenured professors to teach exchange students theoretical and practical fundamentals of three electronics courses.

---

### ADDITIONAL INFORMATION

- Volunteering**     Volunteer work as Web Developer building digital presence for Juan Carlos Lavalle association, providing education opportunities to communities in South America and Africa.
- Projects**     Identified merger and acquisition candidates in European banks through Python and natural language processing techniques in research study based on annual report data; working on research paper.
- Leadership**     Co-founder of robotics association at ICAI University in 2018; in charge of leading marketing strategy and logic programming; led projects developing a miniature self-driving car & a fighting robot.
- Awards**     Madrid excellence grant for university students 2021-2022.
- Interests**     Artificial Intelligence, Finance, Graphic design, Web development, Archery (certified instructor), Skiing & Sailing.
- Tech Skills**     Python, R, SQL, Tableau, Power BI, Matlab, HTML, CSS, Javascript, Java, Git.
- Languages**     Spanish (Native), English (Native & Cambridge Proficiency Certificate), German (Basic, A2 Goethe-Zertifikat).