JOHAN BARREIRO

Does not require Sponsorship. US Citizen

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PROFESSIONAL SUMMARY

Data Scientist with expertise in AI, machine learning, data pipeline development, and advanced analytics. Proficient in Python, SQL, and distributed computing for large-scale environments. Proven success in driving data-driven decision-making through advanced modeling techniques. Thrives in dynamic work settings.

SKILLS

AWS | BitBucket | Docker | LLMs | Pandas | Dashboards | Python | Sci-Kit Learn | SQL | Spark | Tableau | TensorFlow

EDUCATION

IE SCHOOL OF SCIENCE AND TECHNOLOGY   **MADRID, SPAIN**

Master of Science in Business Analytics and Big Data – Advanced AI Concentration   SEPT. 2023 – JULY 2024
- *Foundations of Sustainability Certificate – with Honors*
- *Courses: Forecasting, Machine Learning, Deep Learning, Modern Data Architecture, MLOps*

UNIVERSITY OF MINNESOTA – TWIN CITIES   **MINNEAPOLIS, USA**

Bachelor of Arts, double major in Statistics and Strategic Communication   SEPT. 2016 – DEC. 2020

PROFESSIONAL EXPERIENCE

AYESA (CONSULTING)   **MADRID, SPAIN**

Data Science Intern   APRIL 2024 – PRESENT
- **Optimize and deploy** dashboards on **AWS** to **track KPIs** for new ERCOT services, enhancing real-time decision-making.
- Create simulations to track financial outcomes of various market scenarios using **Cassandra** and **Docker.**
- Implement data validation processes to account for edge cases, ensuring clean and reliable data throughout the pipeline.
- Leverage **object-oriented programming** to adapt data pipelines, ensuring seamless integration with evolving client needs.

UNIVERSITY OF MINNESOTA – OFFICE OF UNDERGRADUATE EDUCATION (HIGHER EDUCATION)   **MINNEAPOLIS, USA**

Data Analyst   JAN. 2021 – AUG. 2023
- **Developed metric reporting dashboards** enabling data driven decisions across departments resulting in 1000+ views.
- Conducted ad hoc analyses and **transformed complex data** of 30,000+ students to promote academic success initiatives.
- Wrote **complex SQL queries** to create comprehensive datasets for analysis and visualization within **Tableau.**
- **Persuaded** stakeholders to use data-driven dashboards at the university's student success conference in February 2023.
- **Identified** areas of improvement in academic programs and **presented** findings to executives across departments.
- **Trained 6 student employees** to ensure projects are completed and met rigorous expectations.
- **Clarified business needs** for multiple analysis projects and adapted workflow to better align with stakeholders.
- Collaborated with **cross-functional teams** to navigate the university's structure, ensuring alignment on key initiatives.

SLEEP NUMBER CORPORATION (RETAIL)   **MINNEAPOLIS, USA**

IT Intern   JUN. 2019 – AUG. 2019
- Identified an opportunity to improve processes at the organization and created physical and software prototypes.
- Designed and performed tests to verify the statistical validity of improved process.
- Prepared and proposed improvements with visualizations to a group of executives with an **ROI of ~$20,000.**

MAJOR PROJECTS

ELECTRITECT (STARTUP)   **MADRID, SPAIN**
- Co-founded **AI-driven** Energy Consulting startup through IE's Venture Lab and **developed the company's data pipeline.**
- **Decreased overall energy cost by 21%** by implementing data pipeline and energy consumption optimization models.
- Developed **scalable workflows** for replicating results for clients with differing business operations.

LANGUAGES

English (Native); **Spanish** (Fluent)

OTHER INTERESTING INFORMATION

IE MASTERS IN BUSINESS ANALYTICS AND BIG DATA COMMUNITY REPRESENTATIVE   JAN. 2024 – JULY 2024
- Organize engaging extracurricular events for students within the program to foster a vibrant and inclusive community.