



AGUSTIN ASUAJE

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SUMMARY

A research scientist with over 10 years of experience in the education sector, specialising in biomedical data analysis and project management. Currently completing in-depth training in Data Science and Machine Learning at FAMAF, equipping me with key skills in data manipulation, model development, and advanced analytics. I am passionate about applying these skills in the education sector, particularly in addressing challenges like student disengagement and churn. EdMachina's focus on leveraging data for educational improvement makes it the ideal place for me to begin my career as a Data Scientist, where I can contribute both my analytical skills and my deep understanding of education challenges.

EDUCATION

Diploma in Data Science, Machine Learning, and Their Applications

- **Universidad Nacional de Córdoba (UNC)**
Argentina • March 2024 – Ongoing

PhD in Exact Sciences

- **Universidad Nacional de La Plata (UNLP)**
Argentina • November 2012 – July 2018

BSc in Pharmaceutical Sciences

- **Universidad Nacional de La Plata (UNLP)**
Argentina • January 2006 – March 2011

SKILLS

Python programming: Pandas, Numpy, Scipy, Scikitlearn, Matplotlib, Seaborn, Plotly.

R programming: dplyr, tidyr, data.table, ggplot2.

Machine Learning: supervised and non-supervised model development with scikitlearn (e.g., hyperparameter tuning, model evaluation metrics, etc.).

Commercial LLM: Prompt engineering, custom OpenAI GPTs and ChatGPT 4o advanced capabilities.

Languages: English (full professional proficiency, C2 + 4yrs in UK), Spanish (native), Italian (basic-intermediate).

Professional Skills: Continuous, fast and autonomous learner: never stopped learning throughout my entire career. Project management, multitasking, clear communication and great problem-solving skills (honed in my different roles). A calm and flexible team member, easily building rapport with colleagues and clients.

CERTIFICATIONS

Data Scientist with Python

Expected October 2024 (Ongoing)

- **DataCamp**

Data Scientist with R

Expected December 2024 (Ongoing)

- **DataCamp**

EXPERIENCE

Project Manager

June 2023 – Present

- **Talento Científico** | Murcia, Spain
 - Applied advanced search techniques (web X-Raying, Boolean strings) to identify top candidates.
 - Developed and implemented web scraping methods to gather data on potential leads.
 - Managed website content using WordPress and Elementor, ensuring optimal functionality.
 - Designed and executed targeted cold-email campaigns, increasing candidate engagement.
 - Led the development of an online platform connecting freelance scientists with STEM clients.
 - Collaborated with a diverse range of clients, fostering strong professional relationships.

Training and Career Development Project Manager

December 2021 – January 2023

- **The Francis Crick Institute** | London, UK
 - Managed over 8 different training programmes aimed at developing PhD students' and Postdocs' careers in a fast-paced environment in Europe's largest biomedical research laboratory.
 - Delivered inductions and training sessions to postdocs and PhD students joining our programmes.
 - Led a thriving community of 350 Postdocs, coordinating the Institute's Postdoc committee.
 - Built partnerships with diverse biotech and pharma companies securing work placements for PhD students.

Postdoctoral fellow

May 2019 – December 2021

- **The Francis Crick Institute** | London, UK
 - Used R programming to analyse metabolomics and microscopy data.
 - Utilized Non-Supervised Learning methods to analyse non-targeted metabolomics data (PCA, tSNEs).
 - Secured £75,000 in funding as part of my partnership with GSK.
 - Recruited and supervised one UCL undergraduate student, developing people management skills.
 - Acquired exceptional planning and multitasking skills by conducting several experiments in parallel on different projects, reporting to collaborators, incorporating new insights and readapting strategies.

PhD candidate

November 2012 – July 2018

- **IIFP-CONICET** | La Plata, Argentina
 - Experiment design, execution, data analysis, presentation and publication.
 - Performed in-silico study of the molecular interaction of anaesthetic drugs with ion channels.
 - Planned, executed and wrote my thesis project based on an in-depth study of literature, my creativity and critical thinking skills.
 - My work led to 4 published articles and one successful grant application.
 - Worked as an intern in three different laboratories in Italy, Spain (Erasmus) and Chile, developing exceptional collaborative skills with partner groups and leading to two publications.
 - Received the Argentine Society of Physiology (SAFIS) Award for the best work in Physiology (2016).

Pharmaceutical Sciences Teaching Assistant

April 2009 – March 2019

- **Exact Sciences Faculty, UNLP** | Argentina
 - Teaching complex science subjects to students with varied backgrounds helped me develop solid communication and interpersonal skills and learn to adapt content according to the audience.

Quality Control Analyst

February 2012 – October 2012

- **Medical Products Manufacturing Unit, UNLP** | Argentina

Community Pharmacist

August 2011 – December 2011

- **Igarza Pharmacy** | La Plata, Argentina