

# Jaime Menéndez Silva

MBA DATA SCIENCE & ANALYTICS ENGINEERING

Chile  
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## PROFESSIONAL CERTIFICATES

### IBM Data Science

Applied Tiny Machine Learning (TinyML) for Scale, Harvard

Artificial Intelligence and Robotics, Deep learning, Anahuac Online

Business Fundamentals, UBC Sauder School of Business

2020 - 2022

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## EXPERIENCE

### CEO & Founder

Computational and Mathematical Methods in Medicine

Data, analytics, and intelligence services to improve human health through cutting-edge technologies.

[www.hadronic.cl](http://www.hadronic.cl)

### Hadronic Data Technologies

2025-Present

### Cloud Big Data Consulting Cons Analyst at Deloitte

GCP; BigQuery: for analytics, connecting to other monitoring services, and data ingestion.

-Cloud Storage: for batch operations and layered file storage (raw, staged, and analytics).

-Pub/Sub: for real-time operations, messaging for process metadata, and Dataflow for data transformations.

-I've used orchestrators like Step Functions, Jenkins, and Airflow only experimentally with DAGs.

-Dataproc: for running jobs, Spark scripts for big data, and Jupyter notebooks for testing and exploration.

-Cloud Run: for running containers with jobs and tasks. Its advantage is that it's self-managed, allowing for automatic resource scaling, with limits to prevent overexposure.

-I completed about 90% of the Google Cloud - Data Engineering path.

-I've done automation's in Python, pandas, and a significant amount of SQL with dbt-core optimization, as well as direct data governance teams.

-Experience running GCP services using the Google Cloud SDK.

-Experience working with agile methodologies such as Jira (Scrum, Kanban, Lean, etc.).

-Assessment for the Chemical and Mining Society

-Cybersecurity. Management and creation of vulnerability BI reports, automation of activities, evaluation of technological architectures, and more.

-I have worked in general for banks in the creation of reports, calculation systems and messaging with multidisciplinary and multicultural teams.

-Participate in leading hubs for learning about artificial intelligence

-I worked as a volunteer to teach university students

### **Deloitte**

*2022 February - 2025 September*

### **Data Scientist & Python Developer**

-eBusiness, Full Stack.

-Descriptive, Predictive and Prescriptive data analysis.

### **Entrepreneurship**

*2021-2021*

### **Professor of Mathematics**

-Administration and resolution of platform problems

-Effective communication in measurements and more.

### **Colegio Online**

*2020-2020*

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## **EDUCATION - ALL FINISHED**

### **European Higher Institute of Barcelona**

*Master Big Data and Business Intelligence - International MBA*

*2022 - 2024*

### **Harvard Manage Mentor program**

-Create a cell phone application with Firebase, document database, online chat, registration and even artificial intelligence

-Publish a book on generative artificial intelligence (GenAI)

### **Pontifical Catholic University of Valparaíso**

*Bachelor of Physical Science*

*2015 - 2019*

-Relevant courses: Programming, Numerical Analysis and Probabilities, Applied Laboratories, Advanced Experimental Techniques, all are related.

-Teaching assistant in: Differential Calculus, Linear Algebra, Multivariable Calculus, Mathematical Methods of Physics, General Physics Electromagnetism.

-Construction and programming of Robot controlled with the cell phone.

-Final Investigation: Quantum entanglement, Einstein-Podolsky-Rosen paradox leading to a quantitative explanation of quantum computing.

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PROJECTS AND  
COURSES

**Data Science**

- Neural networks for data behavior prediction.
  - Health prediction with seaborn, tensorflow.
  - Regressions in Python, scikit-learn.
  - Multiple machine learning models
  - Detection of anomalies in Python.
  - ANOVA statistical analysis.
  - Description of time series in Python.
  - ARIMA statistical models in Python.
  - Apache Spark SQL, parsing data from json, parquet files, csv etc.
  - Client segmentation in Python
  - Power BI, analysis and creation of interactive panels with DAX, retail commercial data.
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2021-2024

**Courses**

- The Product Management for AI & Data Science
  - Mathematical Statistics for Data Science
  - Apache Spark <sup>TM</sup> SQL
  - NLP - Natural Language Processing
  - Desarrollar una aplicación web de ML con PyCaret y Streamlit
  - Feature Engineering for Machine Learning in Python
  - Improving Query Performance in SQL Server
  - Object-Oriented Programming in Python
  - Ethical Hacking
  - Power BI para Business Intelligence
  - Software Engineering for Data Scientists in Python
  - Software Architecture and Design of Modern Large Scale Systems
  - Software Architecture and Technology of Large-Scale Systems
  - +90 courses on Udemy, LinkedIn Learning and more.
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LANGUAGES

**Español:** Native proficiency.

**Inglés:** Professional competence.

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SKILLS IN  
COMPUTING

**Programming:** Linux, Java, Scala, Python, Git, SQL, R.

**Technology:** Atlassian<sup>TM</sup>, Excel, Power BI, Tableau, AWS, Google Cloud, Azure.

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