

SEBASTIAN PEREZ SAAIBI

I've built and led Data Science and Machine Learning teams for the past 8 years, and have over a decade of experience using Data Science and Applied Machine Learning to solve real-world business problems in industries such as Commerce, Healthcare, and Finance. I've had the opportunity to be an individual contributor, startup founder and technical manager throughout this journey.

I'm interested in building teams of Data Scientists, Machine Learning Engineers and Data Engineers to come up with products that solve complex organizational challenges, as well as mentoring data scientists and technical managers.

I like good coffee, spending time with my family, running, and reading.



CURRENT POSITION

Current
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2020

Sr. Manager Data Science and Engineering Shopify

📍 Ottawa, Canada

- Lead the Data Science and Engineering teams in charge of Insights. We build tools, models and data products that enable data-informed decisions for merchants. Our goal is to use Data Science and Machine Learning to make commerce better for everyone, everywhere.



EDUCATION

2010
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2008

MSc. Computational Science and Engineering (GPA: 5.1/6.0)

ETH Zürich

📍 Zürich, Switzerland

- Master's Thesis: Dynamic Risk Diversification in Portfolio Optimization. Advisor: PD. Dr. Diethelm Würtz
- Semester Thesis: Success & Failure in Open Source Software Distributions. Advisor: Prof. Dr. Didier Sornette

2008
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2003

BSc. Physics; BSc. Mechanical Engineering (GPA: 4.4/5.0)

Universidad de los Andes

📍 Bogotá, Colombia

- Physics Thesis: Random Matrix Theory Application to Portfolio Optimization on the IGBC. Advisor: Prof. Dr. Gabriel Tellez Acosta.
- Mechanical Engineering Thesis: Microscopic Modeling of two-particle Sintering. Advisor: Prof. Dr. Jairo A. Escobar.

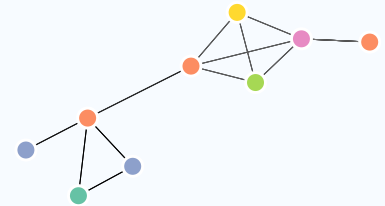
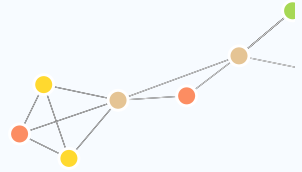
2002
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1992

High School Diploma, Honors

La Quinta del Puente Highschool

📍 Bucaramanga, Colombia

- Original Degree: Bachiller Académico con énfasis en Ciencias & Multimedia



View this CV online with links at baisano.com/cv/

CONTACT

✉ spsaaibi@gmail.com

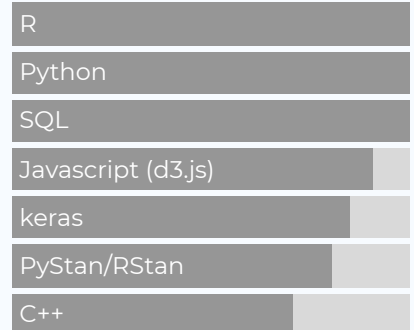
🐦 [spsaaibi](https://twitter.com/spsaaibi)

🐙 github.com/spsaaibi

🌐 baisano.com

in linkedin.com/in/spsaaibi

LANGUAGE SKILLS





INDUSTRY EXPERIENCE

2020
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2018



Director of Data Science

Phreesia

📍 New York City, NY

- Build Phreesia's Data Science and Machine Learning team, inside the Life Sciences organization. Create and lead the strategy and vision.
- Attract, hire, mentor and grow a team of Machine Learning Engineers, Data Scientists and Data Engineers (10+). Provide thought leadership to internal and external business executives. Hands-on data product building, algorithmic selection, model validation and evaluation of Phreesia's ML production services.
- Set an open, collaborative, educational, hands-on team culture that works cross-functionally with other business units. Build and promote the data science competencies and growth framework

2018
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2015



Head of Machine Learning and Data Science

Pager

📍 New York City, NY

- Lead Pager's ML strategy and vision by building and managing a team of Data Scientists and Engineers, guiding patients to better care one model at a time. Hands-on implementations, algorithmic selection, model validation, training, testing and statistical validity of data products.
- Predictive Analytics and Reporting: Build end-to-end ETL systems for data extraction, wrangling, processing and modeling. Designed Pager's OKRs and automated Internal and External Reports (interactive dashboards, board presentations)
- Machine Learning: Productionize ML-based APIs for Pager's care navigation platform.

2014
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2012



CEO and Co-Founder, Chief Data Scientist

Aentropico

📍 Rio de Janeiro, Brazil

- Aentropico is Latin America's first Predictive Analytics startup. We built a self-service dashboard that helped small and medium retailers transform their data into useful and practical insights to facilitate decision making.

2011
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2010



Quantitative Analyst: Trading Strategies R&D

Macx Red AG

📍 Zug, Switzerland

- Founding member of Macxred's research team for Quantitative, High-Frequency Trading Systems.
- Design, testing and implementation of portfolio-based risk mitigation schemes. Promote the design of an automated strategy selection mechanism.
- Implement robust asset allocation and Regime-based Trend Following strategies.

2008



Maintenance Engineer

BHP Billiton - Spence

📍 Antofagasta, Chile

- Mine Maintenance. BHP Billiton's Graduate Program. Statistical Analyses to reduce the time between component failure (MTBF). Close monitoring of the electro-mechanical condition of the entire Caterpillar heavy-duty fleet.

I'm a Data Scientist and technologist focused on building global data products using Data Science and Machine Learning. I brew data.



RESEARCH EXPERIENCE

2015
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2012



E.J. Safra Network Fellow

Harvard University

📍 Cambridge, MA

- Winner of the “System to Monitor Institutional Corruption” Innocentive Challenge. Built a Complex network model to monitor corruption in Colombia’s largest corporations. Identified revolving doors between corporations and government officials. Contributed to data science events such as the “iCorruption Hackathon 2015”.

2006



Visiting Research Assistant

University of Maryland

📍 College Park, MD

- Laboratory for Microtechnologies. Project Director: Prof. Dr. Elisabeth Smela. Research Project: Cost reduction and characterization of Compliant Electrodes.



TEACHING EXPERIENCE

2015



Assistant Professor

Universidad de los Andes

📍 Bogotá, Colombia

- Wrote syllabus and taught ‘Computational Tools’. Basic introduction to computational tools for physicists, mathematicians and geoscientists. See [repo¹](#)
- Wrote syllabus and taught ‘Computational Methods’: Intro to the most common and useful Computational Methods for physicists, mathematicians and geoscientists. See [repo²](#)

2007
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2004



Teaching and Grading Assistant

Universidad de los Andes

📍 Bogotá, Colombia

- Grading Assistant: Classical Mechanics, Modern Physics and Electromagnetism.
- Teaching Assistant: Heat Transfer, Classical, Thermal & Fluid Dynamics.
- Research Assistant: Material Characterization and Fracture Mechanics.



SELECTED DATA SCIENCE WRITING

2020



No more ad-hoc requests! The journey from data service to data product organizations³

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2019



Growth Trajectories for Senior ML Engineers and Data Scientists⁴

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SELECTED PUBLICATIONS, POSTERS, AND TALKS

- 2015 ● **What's a Data Scientist? A look inside its toolbox**
Science Hack Day 📍 Bogotá, Colombia
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- 2010 ● **R Generator Tool for Google Motion Charts**
Uniandes Physics Colloquim 📍 Bogotá, Colombia
.
- 2010 ● **Diving into Econophysics using R**
Rmetrics Summer School in Computational Finance 📍 Basel, Switzerland
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LINKS

- 1: <https://github.com/ComputoCienciasUniandes/HerramientasComputacionales>
- 2: <https://github.com/ComputoCienciasUniandes/MetodosComputacionales>
- 3: <https://baisano.com/posts/no-more-ad-hoc-requests-the-journey-from-data-service-to-data-product-organizations/>
- 4: <https://baisano.com/posts/growth-trajectories-for-senior-ml-engineers-and-data-scientists/>