Paula Salazar, M.S.

Quito, Ecuador

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Personal Profile

Experienced Mathematics Professional and Educator with a Master's degree in Mathematics from Oregon State University and a Bachelor's degree from the University of San Francisco de Quito. Fluent in Spanish, English, and German.

Conducts research using software including ANSYS 17.2, Python, Excel, and Matlab. Proficient in Python, SQL, Matlab, and Excel, coupled with strong soft skills like active learning, teamwork, adaptability, rapid learning, and organization.

Education

Ironhack Mexico *(virtual) CDMX, Mexico*
Data Analyst *April 2023 - September 2023*

- Complementing previous theoretical data analysis courses with industry's most used software.
- Python, visualization tools such as Tableau, statistics and probability, and fundamentals of Machine Learning.
- **Final project:** Creation of a non-structured mathematics nomenclature database in English, Spanish, and German through data scraping.

Oregon State University *Corvallis, OR, USA*
MSc in Mathematics *September 2018 - July 2020*

- **Relevant courses:** Data Analytics, Real Analysis I, II, III, Statistical Methods, Numerical Methods,and Abstract Algebra.

Universidad San Francisco de Quito *Quito, Ecuador*
BSc in Mathematics *August 2012 - May 2017*

- **Relevant courses:** Machine Learning, Electronics, Discrete Mathematics, Programming I and II, Cyber-security, Real Analysis, Complex Analysis, Abstract Algebra, and Numerical Methods.

Languages

Spanish	Native
English	Native
German	Sprachdiplom Advanced-C1

Skills

Programming	Python (Pandas, NumPy.), R, C/C++, SQL.
Miscellaneous	Bash, LaTeX, Tableau, Microsoft Office, Git, Padlet, GoodNotes, Google.
Soft Skills	Critical thinking, problem solving, strong communication, adaptability, curiosity, storytelling, attention to detail, collaboration, time management, domain knowledge, ethical consideration, empathy
Virtual Teaching	Office 365, Procreate, Zoom, Padlet, interactive virtual and semi-virtual teaching

Work Experience

Colegio Menor San Francisco de Quito
Quito, Ecuador

High School AP Teacher.
August 2023 - Present Day

- AP Calculus AB College Board certification through the University of Wisconsin-Madison
- **Technical Skills:** Python, R, Microsoft 365

Colegio Alemán Deutsche Schule - Quito
Quito, Ecuador

Secondary level Teacher.
August 2021 - August 2023

- Mathematics German-Spanish Bilingual instruction

Personalized instruction in English, German, and Spanish.
Quito, Ecuador

Independent Tutoring
August 2012 - Current Day

- Group Theory
- Advanced Calculus
- Abstract Algebra
- Statistics and Probability
- Operations Management

Escuela Politécnica del Ecuador
Quito, Ecuador

Researcher
September 2020- December 2020

- Determination of Replicability of Magnetorheological Experimental Data using ANSYS 17.2 Software.
- **Technical Skills:** Python, Matlab.

Oregon State University
Corvallis, USA

Instructor/ Graduate Teaching Assistant
September 2018 - August 2020

Centro de Modelización Matemática (MODEMAT)
Quito, Ecuador

Intern
June 2016 - August 2016

- Programming: Image Processing using Python
- Machine Learning: Analysis of image data for climate analysis

Actuaria Consultores Compañía Limitada
Quito, Ecuador

Intern
June 2014 - August 2014

- Development of a Employee Turnover Rate Table based on Ecuadorian Business Data
- Analysis of Pension and Severance Funds
- Financial Analysis of Latin America

Karlsruher Institut für Technologie (KIT)
Karlsruhe, Germany

Intern
June 2011 - August 2011

- Programming: Program Development
- Project: Design and Construction of a Silicon-based 3D Printer
- Project: Parts Design and Blueprint
- **Technical Skills:** Matlab, C, C++, Pro-Engineer

References available by request.