

Alison Sousa

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EDUCATION

University of São Paulo, MSc in Computer Science	2025
University of São Paulo, BS in Chemical Engineering	2025
Duke University, Certificate in Data Engineering	2025
University of Colorado Boulder, Certificate in International Business	2025
Yonsei University, Certificate in Finance	2025
Escola Superior de Propaganda e Marketing (ESPM), BA in International Affairs	2024
• Visiting Student at Zuyd University of Applied Sciences	
• Visiting Student at Meiji University	

RESEARCH ASSISTANCE

Brazilian Development Bank, RA supervised by Aylene Bousquat	2025
School of Economics (FEA), RA supervised by Gilmar Masiero	2025
Imperial College London, RA supervised by Gabriel Ramos	2025
Escola Superior de Propaganda e Marketing, RA supervised by Igor Gondim	2024
Escola Superior de Propaganda e Marketing, RA supervised by Alexandre Uehara	2021 – 2023

TEACHING EXPERIENCE

University of São Paulo, Undergraduate Thesis, TA supervised by Diego Silva	2025
Escola Superior de Propaganda e Marketing, Economic Development, TA supervised by Marcus Nakagawa	2021

PUBLICATIONS

Expanding the OLI Approach: The ERP Chinese Model	2025
<i>Alison Sousa</i> , Gilmar Masiero, Mario Ogasavara, Valmor Comim, Under review at Management and Organization Review	
AI for Epidemiological Risk Prediction in Brazil	2025
<i>Alison Sousa</i> , João Neto Under review at Journal of Information and Data Management	
AI for Epidemiological Risk Prediction in Brazil: A SLR	2025
<i>Alison Sousa</i> , João Neto Under review at SBC Computing Reviews	
International diversification via ETFs from the Sharpe ratio perspective	2022
<i>Alison Sousa</i> , Igor Gondim 33enangrad/paper/249019	

PRESENTATIONS

33rd National Meeting of Administration Graduation Courses	2022
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PROFESSIONAL EXPERIENCE

AI Engineer , Asibras Trading – São Paulo, SP	2025
• Designed machine learning models;	
• Employed generative AI in predictive modeling.	
CEO , SMTech – São Paulo, SP	2024 – 2025
• Developed API-based software for data visualization;	
• Applied machine learning techniques to predictive modeling.	
Data Engineering Intern , China Construction Bank – Beijing, China	2023
• Supported data engineering to develop dashboards;	
• Optimized spreadsheets using VBA.	
Summer Job , Ministry of Foreign Affairs – Brasília, DF	2022
• Created charts for data visualization;	
• Assisted with process automation using Python and VBA.	

SCHOLARSHIPS, HONOURS & GRANTS

Brazilian Development Bank , Granted by BNDES	2025
São Paulo State Government , Approved in a government competitive examination	2025
Escola Superior de Propaganda e Marketing , Earned a merit scholarship, Honorable mention, Recognition for academic excellence	2024
Itaú Asset Management Challenge , Award for recognition	2023
CFA Research Challenge , Award for recognition	2022
Sigalei , Award for best technical report	2022
CPV School , Earned a merit scholarship	2020
Objetivo School , Earned a merit scholarship	2020
Anglo School , Earned a merit scholarship	2020

SKILLS

Languages: Portuguese (Native), English (Fluent), Spanish (Fluent), Mandarin (Advanced)

Programming: Python, R, Julia, SQL, VBA, L^AT_EX