

Alison Sousa

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EDUCATION

University of São Paulo, MSc in Computer Science	2025
• GPA: 4.0/4.0, highest distinction	
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, BA in International Affairs	2024
• GPA: 9/10, academic distinction	

RESEARCH EXPERIENCE

Brazilian Development Bank, Research Assistant	2025
School of Economics, Management and Accounting/USP, Research Assistant	2025
Imperial College London, Research Assistant	2025
Escola Superior de Propaganda e Marketing, Research Assistant	2021 – 2023

TEACHING EXPERIENCE

University of São Paulo, Teaching Assistant	2025
Escola Superior de Propaganda e Marketing, Teaching Assistant	2021

PUBLICATIONS

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

PRESENTATIONS

33rd National Meeting of Administration Graduation Courses	2022
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PROJECTS

Weaving Integral Health Care in the Brazilian Amazon	github.com/app-tecendo
• Developed AI solutions, apps, and APIs to support digital health for residents in the Lower Brazilian Amazon and Tapajós regions under the supervision of Aylene Bousquat	
• Tools Used: CSS, HTML, Java, Python, React, SQL, Artificial Intelligence, APIs	

Machine Learning for Political Risk Analysis

github.com/dissertation

- Built machine learning models to analyze political instability and subnational FDI decisions using economic, institutional, and georeferenced data under the supervision of João Neto
- Tools Used: Python, VBA, Machine Learning, Predictive Models

Undergraduate Research Program

- Conducted econometric analysis of geopolitical and trade tensions between China, the United States, and Taiwan (2012–2022) under the supervision of Alexandre Uehara
- Tools Used: R, Econometrics, Data Visualization

PROFESSIONAL EXPERIENCE

AI Engineer , Asibras Trading – São Paulo, SP	2025
CEO , SMTech – São Paulo, SP	2024 – 2025
Data Engineering Intern , China Construction Bank – Beijing, China	2023
Summer Job , Ministry of Foreign Affairs – Brasília, DF	2022

SCHOLARSHIPS, HONOURS & GRANTS

University of São Paulo , Granted by USP	2025
Brazilian Development Bank , Granted by BNDES	2025
FAPESP , Approved for a FAPESP training scholarship (TT)	2025
São Paulo State Department of Education , Approved in a government competitive examination	2025
Escola Superior de Propaganda e Marketing , Earned a merit scholarship, Honorable mention, Recognition for 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, Power BI, Excel, VBA, \LaTeX , JavaScript, HTML, CSS, React