

# Alison Sousa

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## EDUCATION

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<b>University of São Paulo</b> , MSc in Computer Science	2025
• GPA: 4.0/4.0, highest distinction	
<b>University of São Paulo</b> , BS in Chemical Engineering	2025
<b>Duke University</b> , Certificate in Data Engineering	2025
<b>University of Colorado Boulder</b> , Certificate in International Business	2025
<b>Yonsei University</b> , Certificate in Finance	2025
<b>Escola Superior de Propaganda e Marketing</b> , BA in International Affairs	2024
• GPA: 9/10, academic distinction	

## RESEARCH EXPERIENCE

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

## TEACHING EXPERIENCE

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<b>University of São Paulo</b> , Teaching Assistant	2025
<b>Escola Superior de Propaganda e Marketing</b> , Teaching Assistant	2021

## PUBLICATIONS

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

## PRESENTATIONS

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<b>33rd National Meeting of Administration Graduation Courses</b>	2022
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## PROJECTS

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<b>Weaving Integral Health Care in the Brazilian Amazon</b>	<a href="https://github.com/app-tecendo">github.com/app-tecendo</a>
• 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

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

## SCHOLARSHIPS, HONOURS & GRANTS

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<b>University of São Paulo</b> , Granted by USP	2025
<b>Brazilian Development Bank</b> , Granted by BNDES	2025
<b>FAPESP</b> , Approved for a FAPESP training scholarship (TT)	2025
<b>São Paulo State Department of Education</b> , Approved in a government competitive examination	2025
<b>Escola Superior de Propaganda e Marketing</b> , Earned a merit scholarship, Honorable mention, Recognition for excellence	2024
<b>Itaú Asset Management Challenge</b> , Award for recognition	2023
<b>CFA Research Challenge</b> , Award for recognition	2022
<b>Sigalei</b> , Award for best technical report	2022
<b>CPV School</b> , Earned a merit scholarship	2020
<b>Objetivo School</b> , Earned a merit scholarship	2020
<b>Anglo School</b> , Earned a merit scholarship	2020

## SKILLS

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

**Programming:** Python, R, Julia, SQL, Power BI, Excel, VBA, L<sup>A</sup>T<sub>E</sub>X, JavaScript, HTML, CSS, React