

# Alison Sousa

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## Education

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<b>Development Bank of Latin America</b> Professional Development Program in Econometrics and Mathematics	2024
<b>Escola Superior de Propaganda e Marketing (ESPM)</b> B.A. in International Relations <i>Thesis:</i> Semiconductors (with Honorable Mention) <i>Advisor:</i> José Luiz Pimenta Junior <i>Academic Programs:</i> Zuyd University (Netherlands), Meiji University (Japan)	2024

## Publications and Working Papers

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- Sousa, A. & Maia, J. (2025). *Phase Transitions and Uniqueness of the Gibbs Measure in Ising Models with Variable Magnetic Field: Extension to Long-Range Interactions*. Working Paper.
- Sousa, A. & Cintra, R. (2024). *Western Relationship, China and Taiwan: An Econometric Approach to Assess Tensions*. Working Paper.
- Sousa, A. & Uehara, A. (2023). *Triangular Relations under Xi Jinping: A Foreign Policy Perspective*. Scientific Research Paper.
- Sousa, A. & Gondim, I. (2022). *International Diversification via ETFs: A Sharpe Ratio Perspective*. 33rd ENANGRAD.
- Sousa, A., Uehara, A., & Kim, H. (2022). *US–Taiwan–China Relations at the Onset of the Biden Administration*. Mapa Mundi, Research Brief.
- Sousa, A., Uehara, A., & Kim, H. (2022). *Why Invest Your Money in J-REITs in Japan?*. Mapa Mundi, Finance Brief.
- Sousa, A., Uehara, A., & Kim, H. (2021). *It is worth Brazilians to invest in ETFs in South Korea?* Mapa Mundi, Finance Brief.

## Research Experience

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<b>Beijing International Center for Mathematical Research</b> Research Assistant — Supervisor: João Maia	2025
<b>International Relations Research Center</b> Research Assistant — Supervisor: Alexandre Uehara	2022–2023
<b>Asian Business Center</b> Research Assistant — Supervisors: Alexandre Uehara and Han Kim	2021–2023

## Teaching Experience

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<b>School of International Relations – ESPM</b> Teaching Assistant — Economic Development (Undergraduate)	2022
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## Conferences and Talks

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33rd ENANGRAD Conference, Santa Catarina	2022
Asian Business Center, São Paulo	2022

## Professional and Other Experiences

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<b>SonoThromb Medical Technologies</b> Co-founder	2025
<b>Ministry of Science, Technology, and Innovations</b> Embedded Systems Technician	2024–2025
<b>Brazilian Bar Association</b> Arbitration Committee Member	2023–2024
<b>China Construction Bank</b> Risk models and statistical analysis development	2023
<b>Ministry of Foreign Affairs</b> Process development for chancellery and business expansion	2022
<b>South Korean Consulate</b> Research Member	2021–2022

## Honors and Awards

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<b>Awarded Honorable Mention, Undergraduate Thesis</b>	2024
<b>Awarded Honorable Mention, CFA Institute</b>	2022
<b>Awarded Best Undergraduate Technical Paper</b>	2022
<b>Academic Merit Recognition Undergraduate</b>	2021
<b>ENEM-Based Scholarship, ESPM Undergraduate Program</b>	2020 - 2024
<b>Merit Scholarship, College Preparatory Program</b>	2020

## Skills

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

**Programming:**  $\text{\LaTeX}$ , Python, R, VBA