Antonio Pineda

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EDUCATION

THE UNIVERSITY OF CHICAGO   **Chicago, IL**
Master of Science in Financial Mathematics   *Expected Dec 2024*
- Portfolio Theory & Risk Management, Fixed Income, Option Pricing, Numerical Methods, Credit Markets, Computing for Finance in Python and C++, Advanced Computing for Finance, Machine Learning, and Data Science
- Awards: FinMath Alpha Scholarship

CENTRO DE INVESTIGACIÓN Y DOCENCIA ECONÓMICAS (CIDE)   **Mexico City, MX**
Bachelor of Science in Economics   *Aug 2014 - Jun 2018*
- Dynamic Programming, Statistics, Econometrics, Time Series, Game Theory, Advanced Macroeconomics, Advanced Microeconomics, Corporate Finance, and Data Analysis
- Awards: Best Tesis in Financial Inclusion (SobreMéxico 2019 Congress), Top 5 Students of Honors

EXPERIENCE

NOVEL CAPITAL   **Kansas City, KS**
Data Science Research Intern   *May 2024 – Sep 2024*
- Assisted the Chief Credit Officer (CCO) and Chief Technology Officer (CTO) in building and improving a database containing historical and forecasted financial data for companies with a data connection via Codat
- Assisted the CCO in developing monthly analyses to evaluate the performance of existing borrowers, identify those eligible for additional capital or improved terms, and determine non-borrowers who may now qualify for capital

SOLYTICS PARTNERS   **Chicago, IL**
Quantitative Researcher – University of Chicago Project Lab   *Jan 2024 - Mar 2024*
- Implementation of the Advanced Measurement Approach (AMA) to accurately measure operational risk for a bank in accordance with the Basel II and III frameworks
- Developed a Python algorithm for risk management control, model assessment and back-testing based on AMA

ASSOCIATION OF SUPERVISORS OF BANKS OF THE AMERICAS (ASBA)   **Mexico City, MX**
Research and Implementation Analyst   *Dec 2018 - May 2023*
- Collaborated in fintech projects on macroprudential considerations (capital and liquidity requirements) with the Intern American Development Bank; conducted interviews, processed data (Power Bi), classification of fintech instruments
- Analyzed the implementation of Basel standards in Latin American (LA); designed and conducted surveys of 42 financial regulatory institutions, processed and analyzed databases (R), led forums, and prepared board reports
- Led a financial inclusion project with the Sparkassenstiftung focusing on LA; designed micro and macro strategies for financial institutions and authorities
- Investigated the short-medium-term effects of regulatory and supervisory exemptions made by financial authorities to mitigate the adverse effects of COVID-19; identify effective macroprudential and financial policies

CENTRO DE INVESTIGACIÓN Y DOCENCIA ECONÓMICAS (CIDE)   **Mexico City, MX**
Research and Teaching Assistant   *Aug 2016 - Dec 2018*
- Processed and analyzed databases in Python & STATA, calibrated models in R, performed statistical tests and econometric analysis in Python & EViews, conducted complementary classes as teaching assistant

INSTITUTO MEXICANO PARA LA COMPETITIVIDAD (IMCO)   **Mexico City, MX**
Research Intern   *Jan 2017 - July 2017*
- Cleaned data, automated data download, and collaborated on VBA model that identifies the degree of concentration of public works contracts in different states of Mexico

SKILLS & ADDITIONAL INFORMATION

Computing: C++, Python, SQL, Bloomberg, Visual Studio, Github, R, Stata, VBA, Excel, Power Bi, Tableau, Chat GPT
Knowledge: Financial Markets in Latin America and the Caribbean, Banking Regulation and Supervision (Basel Standards), Programming and Project Management
Languages: Spanish (native), English (Full professional proficiency)
Development Courses: Financial Market Analysis and Financial Sector Surveillance (International Monetary Fund, 2021), Python for Finance with Intro to Data Science (QuantNet, 2023), and CFA candidate level I (expected November 2024)