ALEJANDRA SILVA

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EXPERIENCE

University of Cambridge - Cambridge Suptech Lab   **Cambridge, UK**
Supervisory Technology (Suptech) Specialist – Graduate Intern   *September 2024 – March 2025*

- Led the development of analytics tools in collaboration with regulatory teams, technical staff, and tech vendors across Latin America and Asia, aimed at strengthening financial supervision strategies
- Developed an NLP prototype for sentiment analysis and topic classification (BERT, Gensim, GPT) of 300K+ public comments, reducing review time by 80%
- Delivered an AI-powered chatbot and Consumer Management System, centralizing 200K+ consumer complaints and reducing response time by 70%.

Office of the Illinois State Treasurer   **Chicago, IL**
Financial Products Consultant - Graduate Intern   *June 2024 - September 2024*

- Proposed prepaid card integration for 529 plans, recommending vendor partnership to enable direct fund access for 600K+ accounts
- Built dashboards for a $20B investment fund, enabling strategic liquidity decisions through analysis of cash flow patterns
- Crafted investment thesis for 529 plan underlying funds, leveraging 10-year trend and risk analysis to guide portfolio allocation

Superintendency of Banking of Peru (Financial Regulatory Authority of Peru)   **Lima, Peru**
Financial System - Economic Senior Analyst   *March 2020 - August 2023*

- Delivered scenario-based insights for Peru's $13B+ COVID-19 relief plan, enabling support for 370K+ SMEs and informing national financial policy decisions
- Built and deployed a BI tool to assess the impact of capital regulation changes across 54 financial institutions, used across internal departments to inform supervisory decisions
- Briefed senior executives at 8 major institutions on regulatory risk and accounting implications, accelerating the adoption of Peru's first capital framework update in over a decade
- Developed a Shiny app to visualize credit and deposit concentration, generating spatial insights to guide financial inclusion strategy and microfinance targeting at a national level

Financial System - Economic Analyst   *May 2019 - February 2020*

- Designed country's first deposit insurance fund for 200+ credit unions ($6B in assets), modeling risk to calibrate coverage and premiums, protecting 90% of market deposits
- Calibrated credit risk model parameters (PD, LGD, asset correlation) using 1M+ credit bureau records, supporting Peru's alignment with Basel III capital requirements
- Engineered and automated a macroprudential heatmap using 40+ indicators across 20 years of data, enabling early-warning risk detection and identifying systemic vulnerabilities up to two quarters in advance

Credit Risk Analyst   *May 2018 - April 2019*

- Developed a financial analysis tool for Peru's largest bank to monitor consumer loan exposure ($8B in loans)
- Created a BI dashboard to assess credit risk in top-tier institutions ($10B in assets), improving risk segmentation and reporting
- Authored internal guides on using SQL with relational databases and integrating results into Power BI dashboards

EDUCATION

University of Chicago   **Chicago, IL**
Master of Public Policy (GPA: 3.7/4)   *June 2025*

- Major: Data Analytics, Public Finance
- Involvement: *Director of Finance*, Public Finance Association; *Event Lead*, UChicagoGRAD Graduate Programs

Universidad del Pacifico   **Lima, Peru**
Bachelor of Sciences (GPA: 3.8/4)

- Major: Economics, Finance   *July 2017*

ADDITIONAL

Certification: Financial Risk Manager (FRM) from Global Association of Risk Professionals (2022)
Programming: Python, R, SQL, STATA, VBA, MATLAB
Data Visualization: Power BI, Tableau, Amazon QuickSight, ArcGIS, Excel (advanced functions, pivot tables, Power Query)
Languages: Spanish (Native), English (Fluent)