

JOSÉ ANDRÉS BACA



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RStudio and Python Portfolio
joseandresbaca.github.io

Self-taught individual passionate about finance and analytics, seeking a dynamic environment to apply and expand my skills. Eager to collaborate in multidisciplinary teams, tackle challenges, and provide innovative solutions in strategic decision-making. Committed to growth and excellence.

• EDUCATION

B.S. in Finance with a Specialization in Corporate Financing through Investment Banking

Tecnológico de Monterrey, Querétaro, México. 2019 - 2023

GPA: 95/100

Professional in Data Science & AI

DEV.F, Ciudad de México, México. 02/2021 – 09/2021

Specialization in Foundational Finance for Strategic Decision Making (Online)

University of Michigan. 04/2020 – 11/2020

• INTERNATIONAL EXPERIENCE

Excellence Intensive English for Academic Purposes

Queen's University, Ontario, Canadá. 08/2018 – 05/2019

Valedictorian / Highest GPA of the graduating class for two straight semesters

International exchange with dual advanced professional specialization in Global Structured Finance and Applied Statistics for Data Science

Colegio Universitario de Estudios Financieros (CUNEF) | Universidad Complutense de Madrid, Madrid, España. 01/2023 – 07/2023

• PROFESSIONAL EXPERIENCE

Credit Risk Analyst / Financiera Cafi, Chiapas, Mexico. 04/2019 – 09/2021

Responsibilities:

- Processing and cleaning large data sets using Excel and RStudio.
- Creation of variables and pattern detection using big data techniques.
- Development of econometric models to predict loan delinquency using RStudio.

Achievements:

- 20% increase in the detection of delinquent clients thanks to the implementation of the developed models.
- My code is currently used as a basis for the creation and improvement of other econometric models in the company.

Founder and Shareholder of Helium Chiapas / Mexico. 06/2021 – PRESENT

Responsibilities:

- Lead and supervise a team of 7 professionals while maintaining a close relationship with investors.
- Management of a company dedicated to software creation and cryptocurrency mining.

Achievements:

- Successful management of a portfolio with 75 miners.
- In-depth knowledge and experience in DeFi space management, implementation of blockchain-based solutions, and an advanced understanding of current trends in the cryptocurrency world.

Stock and Derivatives Investor / Independent, 2018-PRESENT

Plataforms: Thinkorswim, Interactive Brokers, Refinitiv, Bloomberg.

Responsabilities:

- Active investment in American stocks, options, and futures using technical and fundamental analysis.
- Generation of portfolios with advanced strategies and combination of different financial tools.
- Portfolio rebalancing using optimization strategies with data analysis using RStudio or Python.
- Risk management of a six-figure portfolio (in pesos).

Achievements:

- Consistent positive returns of over 20% for three years.

• CERTIFICATIONS

- **DELTA A2/** Ministère de l'Éducation nationale, 2018
- **TOEFL iBT C1/** TOEFL, 2019
- **Certification in Corporate Finance (Online)/** Universidad de los Andes, Colombia, 2019
- **Advanced Certification in Thinkorswim –** TD Ameritrade Platform/TDAmeritrade Academy, 2020
- **Sales Enablement/** HubSpot, 2021
- **Eikon Refinitiv Certification /** Refinitiv, 2022
- **Specialization in Blockchain /** University of California, Irvine, 2023
- **University Microdegree in Programming for Economic and Business Data Management: Use of Python Language /** University of Cantabria, Spain, 2023. **Full Scholarship**

• VOLUNTEER WORK

English-Spanish Translator in language therapy for babies and children with cleft lip and palate / Operation Smile Mexico, Chiapas, Mexico. 04/2016 – PRESENT

(ANNUAL SUMMER CAMPAIGNS, NOT FULL-TIME)

Responsabilities:

- Assistance in language therapy for babies and children with cleft lip and palate.
- Serving as a translator between English and Spanish for American and Canadian language therapists.
- Active participation in annual three-week campaigns.

Achievements:

- Significantly contributed to the rehabilitation and improvement of speech in numerous children, enhancing their quality of life.
- Successfully coordinated multiple campaigns, resulting in corrective surgeries for over 150 children, improving their well-being and self-esteem.

• LANGUAGES

- **Spanish - Native**
- **English - Advanced C1**
- **French -Intermediate B1**

• HABILITIES

- **Financial Modeling**
- **Business Valuation**
- **Risk Analysis**
- **Portfolio Optimization**
- **Econometrics**