

# Mauricio Vargas

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## EDUCATION

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**Carnegie Mellon University**, Pittsburgh, PA

May 2024

*B.S. in Business Administration, Concentration: Business Analytics, Minor: Logic & Computation*

**Relevant Courses:** Data Mining for Business Analytics, Advanced Data Management, Business Computing, Principles of Computing, End to End Business Analytics, Intermediate Macroeconomics

## SKILLS

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**Programming Languages:**

SQL, R, JavaScript

**Databases:**

AWS Aurora, MongoDB, Neo4j

**BI & Visualization Tools:**

Tableau, MS Excel, Figma

**Languages:**

English, Spanish, Portuguese(Beginner)

## WORK EXPERIENCE

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**Oriental Bank**

San Juan, PR

**Finance Summer Intern**

May 2022 - July 2022

- Produced an accurate and comprehensive FP&A report for the bank's current balance sheet, demonstrating strong analytical and financial modeling skills throughout the length of the internship.
- Utilized advanced **Excel** skills, including conditional formatting and complex formulas, to streamline financial data and increase efficiency in reporting.
- Conducted thorough 5-year forecasts, covering key financial metrics such as interest income, reposition, auto, NIR, NIE, NIM, EPS, and CAPEX, contributing valuable insights to the finance team.
- Leveraged Adaptive Planning, a new financial planning software adopted by the bank, to integrate **Excel** reports seamlessly, resulting in more efficient and accurate financial reporting.

**787 Investing**

Bayamon, PR

**Program Manager**

April 2020 - August 2020

- Collaborated with the COO to improve operational efficiency, reducing costs and increasing profitability.
- Organized financial resources into a comprehensive online investing curriculum, assessing member knowledge through quizzes.
- Designed and implemented **databases** and forms in WiX, streamlining online education platform processes.
- Developed a business computing and programming curriculum for 787 Investing members, emphasizing financial applications and practical skills.

## RESEARCH & LEADERSHIP EXPERIENCE

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**Carnegie Mellon University**

Bayamon, PR

**Undergraduate Economics Research**

May 2021 - July 2021

- Analyzed COVID-19 monetary policy's impact on US inflation using linear regression models in **R** Studio.
- Discovered significant effects of money supply on inflation, while the interest rate alone was not impactful.
- Collected and compiled Federal Reserve data (Nov. 2019–May 2021) and utilized FRED tools for analysis.
- Documented research processes and presented findings on the interaction between monetary policy variables and inflation.

**Phi Delta Theta Fraternity**

Pittsburgh, PA

**Recruitment Chairman**

April 2020 - August 2020

- Led recruitment events, increasing membership by 19 members within a year.
- Managed a \$2,460 recruitment budget, reducing expenses by \$560.
- Demonstrated organizational and leadership skills in directing and optimizing recruitment processes.

## INTERESTS

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Soccer, Chess, Agroforestry, Climate Change, and Philosophy