

# Miguel Ángel Vargas Castillo

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## EDUCATION

### Fordham University

Bachelor of Science

Double Major: Mathematics, Finance

GPA: 3.88; Honor: Dean's Scholarship

New York, NY

May 2027

### Singapore Management University

Exchange Program

Singapore

August 2025 – December 2025

### King's College Madrid – Madrid, Spain

June 2023

**Relevant Coursework:** Vector Calculus, Linear Algebra, Number Theory, Quant Finance, Portfolio Management

## EXPERIENCE

### Barclays Bank

Incoming Sales & Trading Summer Intern

New York, NY

June 2026 – August 2026

- Will help in the development of BARX, a cross-asset electronic trading platform that access deep pools of liquidity
- Rotational program across 3 desks to get acquainted with how market making takes place among 9 major asset classes
- Selected out of 12,000+ applicants to participate in the Discovery Program

### BHD International Bank Panama

Panama City, Panama

Asset Management Summer Intern

May 2024 – August 2024

- Optimized complex bond-portfolio Excel model by coding a python script based on Openpyxl and Numpy libraries
- Researched and analyzed 75+ annual reports of broker firms and collected the key information in Excel
- Supported the Operations Team by cross-referencing clients' accounts with BHD's portfolios

### Goldman Sachs

New York, NY

Participant of GS Possibilities Summit

January 2024

- Selected out of a pool of 10,000+ applicants for a 2-week-long virtual program

## LEADERSHIP AND OTHER ACTIVITIES

### Fordham LC Math Club, President – New York, NY

September 2024 – Present

- Revitalized club activities after a year hiatus, recruiting 10+ regular members
- Conduct weekly meetings featuring 5+ guest lectures, enhancing analytical skills and fostering interest in quantitative disciplines
- Spearhead Fordham LC's inaugural participation in the Putnam Competition, preparing intensive problem-solving workshops and mock exams

### Fordham Quant Club, Board member – New York, NY

January 2024 – May 2025

- Co-founded the club and recruited 12+ active members within the first semester
- Contributed to the design of trading algorithm that generated 60% growth over 12 months during back-testing
- Implemented the algorithm for six months and achieved 30% return

### LaLiga automated betting, Personal Project – New York, NY

September 2023 – Present

- Collect and organize 600+ data points from LaLiga games, building a robust dataset to analyze team performance and betting trends
- Utilize programming statistics to develop an automated model that predicts outcomes with the goal of increasing accuracy by over 80% for 40+ games
- Conduct ongoing testing to improve predictive capabilities and apply quantitative techniques to sports analytics

### AD Cala Pozuelo, Team Captain – Madrid, Spain

August 2019 – June 2023

- Elected as team captain by my peers for 4 consecutive years
- Achieved promotion to highest U18 soccer division ever held by the club

## SKILLS AND INTERESTS

**Computer/Technical:** Microsoft Excel, Python, C++, Adobe Photoshop and Premiere

**Languages:** Spanish (Native), English (Fluent), French (Fluent), Mandarin (Beginner)

**Certifications:** Bloomberg Market Concepts

**Personal Interests:** Soccer, Poker, Blockchain

**My Diversities:** Hispanic