

NICOLAS RENGIFO MARTINEZ

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SUMMARY

Incoming 4th year Mathematics undergraduate and aspiring data expert and researcher in the finance realm, with a passion for probability and random processes, system optimization, and algorithmic design.

EDUCATION

Georgia Institute of Technology – B.Sc. Mathematics, Data Science Concentration *Aug 2022 - May 2025*

- **Concepts:** Stochastic Processes, Artificial Intelligence, Machine Learning, Design & Analysis of Algorithms, Probability and Statistical Theory, Linear Programming, Graph Theory, Combinatorics, 2nd Linear Algebra, Data Structures & Algorithms, Abstract Algebra
- **Activities:** Trading Club, Society of Hispanic Engineering Professionals

Florida International University – B.Sc. Mathematical Sciences *Aug 2021 - May 2022*

WORK EXPERIENCE

Santander Consumer Originations Summer Intern – Dallas, TX *Jun 2024 - Aug 2024*

- Part of Santander's auto financing team for the loan originations unit
- Leveraged SQL and Python to process market share, loan applications, and sales data to create prediction models using regression techniques

Tradecorp International S.A. Summer Intern – Madrid, Spain *Jul 2022 - Aug 2022*

- Interned in the finance department at a portfolio company of Broad Capital Private Equity
- Audited 200,000+ SAP inputs to assist balance sheet reconciliation process
- Utilized Salesforce and Excel to analyze market segments, identifying opportunities for optimizing company pricing strategies for senior management

Florida International University Teaching Assistant – Miami, FL *Jan 2022 - May 2022*

- Attended weekly lectures and assisted students in the understanding of Precalculus topics
- Scheduled weekly preparation meetings for class and aided the professor with assignment grading

Meat n' Bone Warehouse Associate – Miami, FL *Aug 2021 - Oct 2021*

- Invoiced, packaged, and stored large orders of meat and meat-related products; 15 weekly hours

ACTIVITIES

Finite Field Cryptography Self Study *Jul 2023*

- Summarized key concepts in abstract algebra, specifically fields, and focused on fields of finite cardinality and the structure that enables modern-day cryptography

Abstract Algebra Proof Portfolio *Jul 2023*

- Created a compilation of ten comprehensive proofs in group and ring theory, demonstrating a strong grasp of abstract algebra and problem-solving techniques in advanced mathematics

Proprietary Stock Portfolio *Feb 2019 - Present*

- Researched and analyzed multiple growth stocks and invested according to goals
- Realized returns of over 300% in under 6 years

e-Cornell FinTech Certificate *Jun 2020 - Jul 2020*

- Completed an 8-week course focusing on Cryptocurrencies and Ledgers, Cryptography Essentials, FinTech Disruptions, and Trends in FinTech

NSLC Business & Entrepreneurship Summer Program at Yale *Jun 2018 - Jul 2018*

- Received instruction in business and entrepreneurship, participated in a mock startup, and engaged in a business case study

INVOLVEMENTS

Smiling Tummies – Miami, FL *Aug 2017 - May 2019*

- Volunteered at a local nonprofit organization focused on feeding South Florida
- Gathered ingredients, prepared, and delivered sandwiches to the homeless

SKILLS

Computer: Python (Pandas, NumPy, PyTorch, TensorFlow, Gurobi), Java, MySQL, LaTeX, Salesforce, SAP

Language: Fluent in Spanish and English, conversational in French

Sports: Competitive Tennis, Golf