

Salvatore Rego

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EDUCATION

The University of Chicago

Master of Science in Financial Mathematics

Chicago, IL

Expected December 2025

- Courses: Portfolio Theory & Risk Management, Python, Option Pricing, Probability & Stochastic Processes

The College of William & Mary

Master of Science in Business Analytics (GPA: 3.88/4.0)

Williamsburg, VA

May 2024

Bachelor of Science in Physics

May 2023

- Courses: Optimization, Stochastic Modeling, AI, Heuristic Algorithms, Machine Learning I & II, ODE, Linear Algebra, Mathematical Physics, Probability & Statistics for Scientists, Multivariable Calculus, Big Data
- Awards: Deans List 2021-2024, Beta Gamma Sigma Honor Society

SKILLS

Computing: Python, R, SQL, MS Office, Alteryx, Tableau

Knowledge: Machine Learning, Artificial Intelligence, Data Analytics, Financial Markets

EXPERIENCE

Coding/Mathematics Specialist

Remote

Outlier

March 2024 - Present

- Rate, rewrite, and review responses from AI models to enhance accuracy and improve performance
- Solve and undertake coding and mathematics problems to provide optimal outputs for AI models

Data Engineer

Williamsburg, VA

Britescope

June 2023 - January 2024

- Cleaned and analyzed large datasets within government's NEMESIS database to identify consumer needs
- Collaborated in creation of a training dataset for the AI module and gained firsthand experience of the many challenges faced when managing a startup

Supply Chain Research Assistant

Williamsburg, VA

ChainDecision

June 2023 - December 2023

- Aided in developing a web-app written in Python using Django as a framework
- Strategized and aided implementation of blockchain to capture information in simulation with extensive bug testing

RESEARCH

College of William & Mary

Williamsburg, VA

Quantitative Analysis

January 2024 – Present

- Utilized web scraping to generate a WACC value for any company and obtain dynamic data on the stock price
- Back tested and executed a mean reversion strategy to trade with a paper account connected to Alpaca API

The Microwave Analog of a Quantum Double Well Potential

September 2022 - May 2023

- Succeeded in simulating, designing, and building an apparatus to demonstrate and characterize the current 'hopping' effect. Contributed to the larger goal of building a microwave atom chip, enabling atoms to be trapped by their spins

Wearable Stat-Tracking Vest

December 2020 - January 2023

- Designed and prototyped circuitry to track heartrate and GPS location data during strenuous physical activity. The circuitry is housed in a 3-D printed slim box to easily slip into a vest

EXTRACIRRICULAR

Gentlemen of the College Acapella Group

February 2020 - May 2023

- Acted as business manager of the group for 2022

Inhuman Fitness

September 2020 - May 2024

- Joined a like-minded group dedicated to improving mental health through strenuous physical fitness

Soccer Goalkeeper

September 2005 - Present