Ralph Nyasha Machote

(216) 325-8297 | nyashamachote7@gmail.com | LinkedIn | Portfolio

EDUCATION

Case Western Reserve University — Cleveland, OH

Master of Science in Finance, Risk Management Analytics track

Relevant coursework: Quantitative Risk Modeling, Algorithmic Trading, Empirical Finance, Financial Analytics and Banking, Investment Management, Derivatives and Risk Management, Corporate Financial Analysis, Financial Modelling.

Case Western Reserve University — Cleveland, OH

Bachelor of Science in Neuroscience

Relevant coursework: Statistics, Calculus.

Skills: Python (NumPy, Pandas), R, SAS, Microsoft Excel (Pivot Tables, VLOOKUP, Financial Modeling and forecasting), Airtable, Tipalti, Salesforce, QuickBooks, Sage Intacct.

PROFESSIONAL EXPERIENCE

The Veale Institute for Entrepreneurship at CWRU

Audit & Project Management Intern — 06/2023–05/2025

- Audited **40** microgrants and maintained extensive client databases, ensuring accuracy and financial accountability.
- Optimized operational outcomes, leading to a **2×** increase in grant funding from Morgenthaler and the Burton D. Morgan Foundation.
- Developed and managed 4 grant databases utilizing Airtable automation, reducing manual workload and improving tracking.

UDC at CWRU

VP of Finance — 06/2024–06/2025

- Managed a $**300,000+** budget, ensuring efficient fund allocation and financial reporting for student-led organizations.
- Allocated and audited budgets for **60+** student organizations, ensuring financial accountability and compliance.
- Led finance workshops for student leaders, increasing financial literacy across **60+** organizations.
- Consulted with the executive board to develop annual financial strategies, eliminating over $**50,000** of student organizations' debt.

Jumpstart Inc., Cleveland, OH

Accounting Intern — 05/2024–08/2024

- Managed daily invoice handling using Intacct, ensuring **100%** transaction accuracy and seamless financial record-keeping.
- Optimized workflow efficiency by streamlining vendor payments using Tipalti, maintaining **100%** customer satisfaction.
- Reconciled financial transactions, improving cash flow management and financial transparency, handling over $**250,000** in payments.

Financial Analyst Intern — 02/2024–05/2024

- Developed financial models and conducted risk analysis for **30+** clients using Microsoft Excel, improving decision-making accuracy.
- Customized **30+** financial projections and control systems using Intacct and QuickBooks, ensuring robust financial oversight.
- Created **20+** custom Excel financial models, increasing financial tracking accuracy by **25%** across **30** businesses in Northeast Ohio.
- Enhanced financial precision for local entrepreneurs by **50%** through streamlined accounting solutions in Intacct and QuickBooks.

CWRU Office of Student Employment

Office Clerk — 10/2021–06/2023

- Processed bi-weekly payroll using HCM systems, ensuring timely and accurate compensation for student employees.
- Handled onboarding documentation and system entry for over **100+** new student hires with minimal supervision.
- Maintained organized employment databases and resolved inquiries to support efficient office operations and compliance.

PROJECTS

FHLB Model with Python — Fall 2024

- Engineered a Python-based model for the Federal Home Loan Bank, to reduce dataset complexity and identify key financial drivers.
- Discovered that **27%** of first-time home-buyers were self-employed and made policy recommendations to improve default rates.
- Developed automated Python scripts for data visualization and trend identification, accelerating borrower demographic analysis.

IPO Performance Analysis (Sponsored by PNC Bank) — Spring 2025

- Conducted regression analysis using SAS to identify drivers of IPO performance across exchanges, industries, and economic conditions.
- Analyzed IPO returns from 1988–2024 using weighted and unweighted portfolio assessments, uncovering market trends and insights.
- Evaluated the impact of market capitalization and macroeconomic factors on IPO success, using data from CRSP and Bloomberg.
- Assessed the viability of IPO vintage investing strategies using industry trends, market cycles, and economic conditions over time.

MedVic LLC – Healthcare Staffing & Volunteer Platform (Co-Founder) — Oct 2024–Present

- Researched healthcare staffing and volunteer coordination markets to design a platform addressing underserved operational gaps.
- Developed financial models, pricing strategies, and budgets to support scalable growth and secure early-stage funding.
- Led product refinement, team coordination, and stakeholder reporting, resulting in strong early user engagement and grant support.

LEADERSHIP, AWARDS, AND VOLUNTEERING

Volunteer - Greater Cleveland Food Bank | Academic Representative - Student Government | Dean's List

Research Fellow - American Heart Association, **2023–24** | Interests - Basketball, Marvel Comics, Mental health advocacy.