

Ralph Nyasha Machote

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EDUCATION

Case Western Reserve University

Master of Science in Finance, Risk Management Analytics track

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

Skills: Python(Numpy, Pandas), Matlab, R, SAS, Microsoft Excel (Pivot Tables, VLOOKUP, financial modelling and forecasting), Airtable, Tipalti, Salesforce, QuickBooks, Prism, SQL (Redshift, Oracle), NoSQL, Power BI., Sages Intacct

Case Western Reserve University

Bachelor of Science in Neuroscience

PROFESSIONAL EXPERIENCE

Jumpstart Inc.,

Cleveland, OH

Accounting Intern

05/2024-08/2024

- **Invoice Processing:** Managed daily invoice handling using Intacct, ensuring 100% transaction accuracy and seamless financial record-keeping.
- **Payment Optimization:** Enhanced workflow efficiency by streamlining vendor payments via Tipalti, maintaining flawless vendor relationships with 100% customer satisfaction.
- **Accounts Payable Management:** Reconciled and monitored financial transactions through Intacct and Tipalti, improving cash flow management and financial transparency.

Financial Analyst Intern

02/2024-05/2024

- **Financial Modeling:** Developed financial models and conducted risk analysis for 30+ new businesses in Northeast Ohio using Excel, improving decision-making accuracy.
- **Forecasting & Control:** Designed and implemented 30+ financial projections and control systems using Intacct and QuickBooks, ensuring robust financial oversight.
- **Data-Driven Insights:** Created 20+ custom Excel financial models, increasing financial tracking accuracy by 25% across 30 businesses.
- **Process Improvement:** Enhanced financial precision for local entrepreneurs by 50% through streamlined accounting solutions in Intacct and QuickBooks.

The Veale Institute for Entrepreneurship at CWRU,

Cleveland, OH

Audit and Project Intern

06/2023 – Current

- **Auditing & Compliance:** Managed the auditing of 40 microgrant recipients and maintained extensive student databases, ensuring accuracy and financial accountability.
- **Strategic Analysis:** Applied analytical skills to optimize operational and marketing outcomes, leading to a 2x increase in grant funding from Morgenthaler and the Burton D. Morgan Foundation.
- **Automation & Efficiency:** Developed and managed grant applications utilizing Airtable automation, reducing manual workload and improving tracking.

UDC at CWRU (University Diversity Collaborative)

VP of Finance.

- **Budget Management:** Oversaw and administered a \$300,000+ budget, ensuring efficient fund allocation and financial reporting for student-led.
- **Financial Oversight:** Managed the allocation and auditing of budgets for 60+ student organizations, ensuring financial accountability and compliance.

PROJECTS

FHLB Model with Python

- **Predictive Modeling:** Engineered a Python-based model for the Federal Home Loan Bank (FHLB), utilizing PCA to reduce dataset complexity and identify key financial drivers.
- **Data Insights:** Discovered that 27% of first-time homebuyers were self-employed, leading to policy recommendations aimed at improving housing accessibility.
- **Automation & Visualization:** Developed automated Python scripts for data visualization and trend identification, accelerating borrower demographic analysis.

IPO Performance Analysis (Sponsored by PNC)

- Conducted advanced regression analysis in SAS to identify key drivers of IPO performance across exchanges, industries, and economic conditions.
- Analyzed IPO returns using weighted and unweighted portfolio assessments, uncovering long-term market trends and investment insights.
- Evaluated the impact of market capitalization, stock exchange, and macroeconomic factors on IPO success, incorporating data from CRSP and Bloomberg.
- Assessed the viability of IPO vintage investing strategies by examining industry trends, market cycles, and economic conditions over time.

LEADERSHIP, AWARDS AND VOLUNTEERING

Volunteer – Greater Cleveland Food Bank

VP of Finance – UDC at CWRU

Academic Representative – Student Government

Dean's List