

Mark Benhaim

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EXPERIENCE

Operations Associate | 3iQ

2024 – Present, Montreal, QC

- Crafted robust evaluation frameworks using Dune Analytics, Python, and SQL to convert complex on-chain data into critical insights that informed RWA lending strategies for treasury management initiatives within three months.
- Authored a series of six analytical reports detailing evolving blockchain based financial mechanisms; these documents became essential resources influencing quarterly strategy revisions within the organization's operations team.
- Orchestrated collaboration among product, engineering, and finance teams to create three comprehensive data-driven business plans that streamlined operational workflows and enhanced overall efficiency across departmental functions.

Head of Operations | Toshiverse L4bs

2021 – 2022, Montreal, QC

- Co-founded and scaled an NFT studio, leading a 20-person team across engineering, marketing, and creative domains; launched innovative NFT projects that generated over \$4M USD in first-year revenue.
- Conducted thorough evaluations leading to significant enhancements of existing workflows; identified three major bottlenecks affecting project timelines while providing findings instrumental for process refinement initiatives.
- Analyzed competitive landscape resulting in identification of five critical market gaps; delivered targeted recommendations that directly influenced successful marketing tactics, enhancing brand visibility among target demographics by 200%.

Fund Manager | GMB Capital

2017 – 2021, Montreal, QC

- Executed arbitrage and hedging strategies using 15 exchanges, spot trading pairs, perpetual futures and on-chain metrics to identify market inefficiencies and optimize returns leading to a growth rate of 675% year on year.
- Pioneered cutting-edge statistical analyses designed specifically for identifying profitable arbitrage opportunities through precise execution timing generated from complex model simulations run weekly during peak trading periods.
- Engineered a custom dashboard automating trade execution processes, achieving a 30% reduction in manual oversight hours per week while enhancing precision and efficiency in real-time monitoring of trades.

PROJECTS

Bitcoin Sentiment Analysis

- Architected a sophisticated analytical model merging social media sentiment evaluation with financial metrics on Bitcoin performance; outcomes resulted in identifying primary factors driving market volatility that needed immediate attention.

BTC LSTM Prediction Model

- Innovated an end-to-end pipeline featuring cutting-edge long short-term memory algorithms focused on refining crypto price predictions, directly leading to more informed trading actions based on rigorous internal analyses conducted monthly.

Crypto DEX Data Analysis Report

- Assessed historical DEX activity through rigorous analytics processes which revealed pivotal trade volume shifts during high volatility periods, fostering real-time strategy adjustments within investment portfolios across different assets.
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CERTIFICATIONS

- **AWS Certified Data Engineer Associate** – Amazon (in progress)
 - **Tableau Desktop Specialist** – Tableau (in progress)
 - **SnowPro Core Certification** – Snowflake (in progress)
 - **Python for Trading** - Quantinsti
 - **IBM Professional Certificate for Data Science** - IBM
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EDUCATION

Master's in Applied Data Science

University of Michigan, Ann Arbor, MI
2023 – Present

Data Science Diploma

BrainStation, New York, NY
2023

Winner, BrainStation & Microsoft Industry Project Hackathon

Master's in Blockchain & Digital Currency

University of Nicosia, Nicosia, Cyprus
2018 – 2019

Bachelor of Commerce (Accounting)

Concordia University, John Molson School of Business, Montreal, QC
2015 – 2018

Honors: Ernst & Young Scholarship, Beta Gamma Sigma, Dean's Honor List, Golden Key International Honour Society

KEY SKILLS

- **Data Analysis & Data Visualization:** Python, SQL, Tableau, Matplotlib, Seaborn, Pandas, Scikit-learn, NumPy, ETL
- **Quantitative & Predictive Data Modeling:** Time series analysis, hypothesis testing, A/B testing, regression analysis, clustering techniques, predictive analytics methodologies, business analysis, data warehousing
- **Blockchain & Crypto Analytics:** Onchain data analysis, DeFi strategies, tokenization, risk management, Dune Analytics, smart contract evaluation, crypto market forecasting
- **Big Data & Cloud Technologies:** AWS, Snowflake, Hadoop, Spark, Docker, Git, Jupyter Notebooks, Visual Studio Code