

Michael Natenzon

Senior Data Scientist Hoboken, NJ

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I transform data into analytical dashboards that help decision makers more easily navigate ambiguous questions and problems.

PROFESSIONAL SUMMARY

- Led integration of DataBricks with Azure SQL infrastructure to transition ETL pipelines out of Azure Data Factory. Coded pipes in SQL/Python to generate structured datasets for use in analytics and dashboarding.
- Analyzed data using statistical and (applicable) machine learning techniques to identify KPIs across employee performance, sales, marketing, customer service, manufacturing, shipping, and fraud mitigation.
- Built dashboards for technical and non-technical stakeholders to present the underlying assumptions, conclusions, and recommendations coming out of analyses of KPIs associated with core products and services.
- MBA/B.S. graduate of the Johns Hopkins University with 7 years of experience using Python, Jupyter Notebooks, and SQL to lead business analyses and scientific research from ideation through experimentation, prototyping and implementation.
- 10 years of experience gathering business requirements from clients and then developing web apps that solved those clients' online exposure and process automation challenges.

NOTABLE PERSONAL PROJECTS

- Built a Crypto-Tax software in Python that simplifies the process of managing taxes owed on crypto transactions. The algorithm aggregates and visualizes data from exchanges and popular blockchains to clearly depict a reconciliation of transactions, assets, and notional net earnings for the provided accounts and wallet addresses.
- Developed a plugin for Joomla (analogous to WordPress) that enables web developers to easily integrate PowerBI dashboards into their websites' native identity access management system. This allows row-level data security features that pre-filter dashboard data based on the viewer, enabling developers to service many customers with different access rights through a singular, centralized Power BI dashboard.
- Deployed an Android application to track productivity and visualize the trends in real-time on mobile and desktop devices.

EXPERIENCE

Gemini, NYSDFS Regulated Cryptocurrency Exchange Greater NYC Area July 2021 – Present
Senior Data Scientist

- Applying statistical and ML techniques to identify early patterns in customer behavior that suggest intent to commit fraud.
- Transforming data into operational dashboards that monitor fraud vectors and the performance of onboarding and CS teams.
- Creating structured datasets with SQL / Python for regulatory reporting and interdepartmental fraud mitigation initiatives.
- Optimizing operational processes with Python by automating manual procedures for internal actions and 3rd party integrations.

Fabuwood, X-Lab Department, Manufacturing Company Greater NYC Area March 2020 – July 2021
Data Scientist

- Built the company's first in-depth sales reporting tool – now being used by C-Suite executives to understand sales trends among sales reps, products, territories, and customers. Identified KPIs now being used to gauge customer churn.
- Created a suite of analytical tools to analyze trends in customer service, shipping, and RMAs. In addition to providing department-specific analyses, these reports also facilitated inter-departmental collaboration, leading to a decrease in shipping-related damages.
- Implemented ETL pipelines in SQL / Python to structure and centralize data from Azure, Acumatica^{ERP}, and on-prem servers.

MichaelNatenzon.com Remote January 2012 - Present
Web App Developer

- Helped clients grow online customer engagement from zero to tens of thousands of page views by developing websites with forum, registration, and front-end management features built with HTML, CSS, PHP, JS, and SQL. Implemented over 10 successful sites that minimized clients' expenses and eliminated their dependence on disjointed SaaS products.

EDUCATION

Johns Hopkins University – **MBA / B.S. Materials Science and Engineering** – Dual Degree Graduate 2014 - 2019
Inductee of Beta Gamma Sigma - The Global Honor Society of AACSB-accredited Business Schools

Python Libraries: SciKit-Learn • SciPy • Numpy • Pandas • Natural Language Tool Kit • RegEx • Matplotlib • SQLAlchemy

IBM Certificates: Python for Data Science • Machine Learning with Python • Big Data Foundations • Advanced SQL (LinkedIn)