Matt Zacharski

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WORK & EXPERIENCE

Just Salad | New York, NY *Sep. 2021– Present*
Associate Product Manager
- Coordinate with stakeholders across the organization to facilitate development of digital products
- Analyze user behavior to present to leadership to determine future product strategy
- Streamline bug resolution and data querying processes

Farmer Mac | Washington, DC *Dec. 2019*
Asset Liability Management Intern
- Prepared and cleaned 3 data sets of historical financial data on the LIBOR-OIS spread
- Self-studied time series analysis and the agricultural loan markets
- Developed a time series model in R to predict bond interest rates from historical data

Banneker Partners | San Francisco, CA *Jun. 2019 – Aug. 2019*
Private Equity Intern
- Built 3-statement models for potential Banneker add-ons and conducted comparable analysis
- Conducted thorough research on 30 software companies in the dairy industry
- Worked with senior partners analyzing KPI data to evaluate portfolio companies' earnings quality

PROJECTS

Predicting Song Popularity Using Spotify Data | Link
- Used multilevel modeling and the Spotify API to predict a song's popularity (which is a song-level metric provided by Spotify)

Abnormal Stock Backtesting Shiny App | Link - note this may take a minute to load
- Used R to create a web application that allows the user to visualize daily historical stock data
- The user also has the option to upload a python script containing a trading strategy which is subsequently run on the historical stock data that the user chooses, the results of the strategy are then displayed in the form of a time series plot

Vector Autoregressive Modeling | Link
- Explored whether or not various crypto currencies could be used to forecast one another in the time series domain

Spotitter | In Progress
- Created a simple web app that lets a user enter a twitter handle and receive a Spotify playlist based on the tweets associated with the given twitter handle

Bank Customer Churn Modeling | Link
- Applied several machine learning algorithms to bank customer churn data to determine which customer-level characteristics were most indicative of the likelihood a customer would leave that bank in the future

EDUCATION & AWARDS

Carleton College | Northfield, MN *Jun. 2021*
Bachelor of Arts in Statistics, **Cumulative GPA:** 3.85 / 4.0, Cum Laude, Dean's List 2017
- Chang-Lan Fellowship: Received $4,000 grant to research bargaining tactics in Chinese Knock-Off Markets experiences in Shanghai, Beijing, Shenzhen, and Guangzhou - canceled due to covid-19
- Senior thesis won 1st place in research competition (Link)