Vasil Nenov, MBA

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Experience

FREELANCE   **Chicago, IL**
Self-Employed   November 2020 – Present
- Created a Python script that analyzed financial records which calculated 5 distinct metrics and exported results in CSV/text files
- Modernized SQL database combining historic datasets using PostgresSQL, MongoDB, ETL
- Visualized SQL database results with Pandas, PostgreSQL, SQLAlchemy
- Designed Flask APIs based on custom queries to return results in JSON
- Aggregated GBs of data and design visualizations to spot unexpected phenomena using Tableau
- Built web application with Pandas, Jupyter to scrape various websites for data and display information in a single HTML page
- Employ statistical analysis to model, predict, and forecast trends with VBA Scripting
- Work with and lead small-scale teams in order to create custom applications and visual datasets, heavy use of Git

HEALTHWORKS INSURANCE   **Chicago, IL**
Senior Licensed Medicare Benefits Consultant   September 2019 – March 2020
- Consolidated multiple datasets into SQL database for analysis using custom queries
- Designed internal dashboard with hourly metric updates with JavaScript, Plotly, D3
- Created custom visualizations of key performance indicators using JavaScript, D3, Leaflet

XSPORT FITNESS   **Chicago, IL**
Operations Manager   January 2019 – September 2019
- Performed statistical analysis on customer engagement and retention with VBA, Excel
- Provide leadership for strategic change initiatives across 4 departments and a staff of 25
- Facilitate role-based training for managers and employees to accelerate adoption of change initiatives

EVM NUTRITION   **Denver, CO**
Founder   May 2017 – January 2019
- Analyzed GBs of data for 78 Denver neighborhoods pertaining to site selection using Python, Leaflet
- Reviewed large data sets of consumers buying habits to predict market patterns and optimal inventory selection
- Created internal dashboard displaying real time sales metrics with JavaScript, HTML, CSS
- Launched digital marketing initiatives in conjunction with a rewards program that increased customer retention by 52%

Selected Projects

Correlation of Obesity in relation to Food Options by City Population | https://github.com/liliana-ilut/The-Mockingbirds
Project Description: Exploring the correlation between number and type of restaurants and obesity rate in the top 300 cities per capita
Languages and Tools: Python, Pandas, Matplotlib, NumPy, Matplotlib, Pyplot Excel/CSV, Jupyter Notebook

Analyzing trends in reports of graffiti and their subsequent removal | https://github.com/liliana-ilut/graffiti-removal
Project Description: Analyze calls to 311 graffiti reports and subsequent removal. Analyzed for trends in the data and when it was most likely for graffiti reports to be recorded and which zip codes had the most reports.
Languages and Tools: Jupyter Notebook, Python, HTML, CSS, JavaScript, D3, Leaflet, API, CircleType.js

Technical Skills

Technologies: VBA Scripting, Python, NumPy, Pandas, Matplotlib, API, Excel, Heroku, MySQL, Mongo DB, ETL, HTML, CSS, SQL, Bootstrap, Access, JavaScript, JSON, D3, Leaflet, Tableau, Plotly, Flask, BeautifulSoup, PostgreSQL, ETL, Dashboarding, Hadoop, JSON, AJAX

Education

Northwestern University| Cumulative GPA 4.0   **Evanston, IL**
Certificate in Data Science and Visualization   2020
Northwestern University   **Evanston, IL**
Master of Science in Communication – Custom Leadership Program   Class of 2022
Keller Graduate School of Management | Cumulative GPA 3.54   **Chicago, IL**
Master's in Business Administration with Graduate Certificate in Entrepreneurship   2013