Vasil Nenov

▪ https://vgnenov.github.io/ ▪ https://www.linkedin.com/in/vasilnenov/ ▪ https://github.com/vgnenov ▪

Experience

The Alumni Collaboration Projects   **Chicago, IL**
Data Analyst Consultant - Independent Contractor   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 ETL, PostgresSQL
• Visualized SQL database results with Python, Pandas, Jupyter Notebook, VS Code
• 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 JavaScript, Plotly, D3to display hourly metric updates
• Built custom visualizations with JavaScript, HTML and CSS of key performance indicators

XSport Fitness   **Chicago, IL**
Operations Manager   January 2019 – September 2019
• Increased member engagement and retention by performing statistical analysis using VBA resulting in 12% membership retention
• Oversaw change initiatives using Kanban charts to identify hang up spots, and drafting a plan to improve member service times
• Directed monthly cross-functional team meetings to identify areas of improvement

EVM Nutrition   **Denver, CO**
Founder   May 2017 – January 2019
• Analyzed GBs of data using JavaScript, of 78 Denver neighborhoods for the purpose of site selection
• Reviewed large data sets of consumer buying habits in order to spot market patterns and improve inventory selection
• Implemented internal dashboard with JavaScript, HTML, CSS to display real time sales metrics
• Launched digital marketing initiatives in conjunction with a rewards program that increased customer retention by 27%

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, Hadoop

Education

Northwestern University   **Evanston, IL**
Master of Science in Communication   Class of 2022
Northwestern University   **Evanston, IL**
Certificate in Data Science and Visualization   2020
Keller Graduate School of Management   **Chicago, IL**

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Master's in Business Administration with a certificate in Big Data and Analytics   2013