Vasil Nenov

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Experience

Wickfire - Contract — **Chicago, IL**
Data Analyst — May 2021 – Present
- Developed an analytics dashboard, using JavaScript, which translated key performance metrics into conversations for clients
- Optimized proprietary web analytics data platform in a MySQL environment speeding up duration time requests
- Lead cross-functional team meetings and incorporated feedback to overhaul performance data and optimization opportunity reporting

The Alumni Collaboration Projects — **Chicago, IL**
Data Analyst — November 2020 – May 2021
- Designed Flask API to return climate data results in JSON for visualization with Matplot in Jupyterlab for an online climate analysis article
- Aggregated GBs of data and designed visualizations to spot unexpected phenomena in Tableau for a public transportation project
- Modernized SQL database combining historic datasets in PostgresSQL utilizing ETL and CRUD operations
- Visualized GBs of property vandalism reports with various tools including Tableau, Python, JavaScript, Plotly, Bokeh, D3
- Built web app to scrape data from social media website and display information in a single HTML page with Python, Mongo, Flask
- Employ statistical analysis to model, predict, and forecast sales trends for an online business with VBA Scripting
- Created a Python script that analyzed financial records and calculated over 10 distinct metrics, exporting results in CSV/text files
- Lead small-scale teams creating custom applications and visual datasets, heavy use of GitHub

Healthworks Insurance — **Chicago, IL**
Benefits Analyst — September 2019 – March 2020
- Built custom visualizations with JavaScript, HTML and CSS of key performance indicators for a team of 5 managers
- Merged multiple company performance datasets into a central MySQL database for analysis, performed visualizations with Gleam, Plotly
- Implemented internal dashboard with JavaScript, Plotly, D3 to display hourly KPI updates, accessible by every employee

XSport Fitness — **Chicago, IL**
Operations Manager — January 2019 – September 2019
- Implemented member retention strategies by analyzing and tracking churn metrics in VBA to increase membership retention by 12%
- 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**
Data Analyst and Founder — May 2017 – January 2019
- Structured, cleaned and performed basic analysis on GBs of data on the city of Denver for the purpose of site selection using Python
- Analyzed thousands of data points, with Pandas, of consumer buying habits, to spot market patterns and improve inventory selection
- Implemented internal dashboard with JavaScript to display real time sales metrics
- Launched digital marketing initiatives in conjunction with a rewards program that increased customer retention by 27%

Various Roles — **Niles and Vernon Hills, IL**
Logistics and Operations Management — January 2011 – May 2017

Selected Project – Additional Projects Available at www.vgnenov.github.io

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

Technical Skills, Technologies and Libraries

Python, JavaScript, SQL, R, HTML and CSS, Mongo DB, Postgres, Heroku, Hadoop Flask, Tableau, Dashboarding, AJAX, AWS, Pandas, Matplot, NumPy, Bootstrap, Plotly, BeautifulSoup, D3, Leaflet, SKLearn, PySpark, API, SQL Alchemy, MySQL, JSON, ETL, VBA Scripting, Excel, Access, Machine Learning, Amazon RDS and S3, ZEPL, Scikit-learn

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