Minh Nhat Dang

Brooklyn, NY 11219 | (646) 496 – 2537 | nminh.dang10@gmail.com

linkedin.com/in/minh-nhat-dang | github.com/minhdang10 | minhdang10.github.io

PROFESSIONAL EXPERIENCE

Pitney Bowes   **New York, NY**
Data Science Intern   *June 2021 – January 2022*
- Queried the Presort databases consisting of 100+ schemas on Snowflake using SQL for the parcel scan data in various U.S. facilities to provide business stakeholders with data-supported visibility of the Pitney Bowes network
- Constructed time-series regression models using backtesting on Python with an accuracy of over 98% to alert of anomalies promptly, resulting in a 10% increase in business revenue
- Helped familiarize the team with AWS services transition, including Amazon S3, Redshift, EMR (Apache Spark SQL), QuickSight, and SageMaker (Random Cut Forest algorithm)
- Built a live and interactive Power BI dashboard that visualizes and updates the statistical metrics based on the users' inputs

Match4Action Foundation   **New York, NY**
Data Scientist   *October 2020 – June 2021*
- Perform NLP algorithm using Python to extract lists of products and ingredients that alleviate sleep, stress, anxiety, and indigestions from consumer product reviews, web scraping, and numerous APIs
- Apply cluster analyses such as K-means and hierarchical with R to classify nutrients into ingredients and categories
- Develop a data recommender system to suggest medicinal food based on user choices from the clustered data

FPT USA Corporation   **Los Angeles, CA**
Machine Learning & Data Analytics Intern   *May 2019 – August 2019*
- Implemented hand detection and tracking algorithms using Python and GCP via neural networks on Tensorflow with an accuracy of 96%
- Optimized the server response time and gesture recognition features by 15% by restructuring the models' parameters
- Trained, analyzed, and selected the best dataset and model out of five based on classification metrics, timing, and accuracy

PROJECTS

Price Sensitivities in European Energy Market | *Data Mining & Predictive Modeling*
- Performed exploratory data analysis and data cleaning, and constructed the explanatory variables based on the key drivers of client churn
- Built churn models with Python and R to predict customer churn probability, and tested the effect of a 20% discount on likely-to-churn customers
- Prepared a Tableau dashboard and an executive summary with insights and recommendations for the stakeholders and head of the division

New York City: Weather and Car Accident | *Data Warehousing*
- Designed a data warehouse schema by defining KPIs, dimensions, and fact tables from multiple data sources to show the correlation between weather conditions and car accidents in New York City
- Built ETL plans for extracting and loading the data into the schema by Pentaho, and populated it in Oracle using SQL
- Constructed a dashboard application that visualizes and incorporates the defined KPIs via Tableau

TECHNICAL SKILLS & CERTIFICATION

Programming: Python, R, SQL, C++, HTML, CSS, JavaScript, UNIX Shell Scripting
Tools: Oracle/MySQL, NoSQL/MongoDB, Pentaho, Hadoop, Spark, Tableau/Power BI, MS Office, TensorFlow, AWS, GCP
Certifications: AWS Certified Machine Learning Specialty (in progress), Professional Scrum Master & Product Owner I

EDUCATION

Baruch College/CUNY, Zicklin School of Business   **New York, NY**
Bachelor of Business Administration with College Honors   *July 2020*
- Major: Computer Information Systems | Minor: Mathematics   GPA: 3.64

LEADERSHIP & ACTIVITIES

Ascend – Baruch Chapter   **New York, NY**
Assistant Vice President of Technology   *September 2019 – June 2020*
- Spearheaded an 8-week HTML/CSS and 10-week Python workshop to introduce programming to 50 members
- Attracted over 80 applicants and successfully converted our members into our talent pipeline
- Streamlined the technology committee's internal workflow and communication by integrating software like Trello and Slack

LANGUAGES & INTERESTS

Languages: Vietnamese (native), Mandarin Chinese (intermediate)
Interests: Classical piano music, Tennis, Vietnamese cuisine cooking, Cultural exchange, European soccer