

Minh Nhat Dang

Bronx, NY 10472 | (646) 496 – 2537 | nminh.dang10@gmail.com
linkedin.com/in/minh-nhat-dang | minhdang10.github.io | github.com/minhdang10

EDUCATION

Columbia University, Fu Foundation School of Engineering & Applied Science

MS in Data Science

New York, NY

Expected Dec 2024

CUNY Baruch College, Zicklin School of Business

BBA in Computer Information Systems with College Honors, Minor in Mathematics

New York, NY

Jul 2020

TECHNICAL SKILLS & CERTIFICATION

Programming: Python, R, SQL, C++, HTML, CSS, JavaScript, UNIX Shell Scripting

Tools: Oracle/Snowflake, MongoDB, Alteryx, AWS, GCP, Azure, Hadoop, Spark, Tableau/Power BI, MS Office, TensorFlow

Certifications: AWS Certified Machine Learning Specialty (in progress), Professional Scrum Master & Product Owner I

PROFESSIONAL EXPERIENCE

Pegasystems

Data Science Intern

New York, NY

Sep 2023 – Dec 2023

- Optimizing the data pipeline by integrating PySpark, resulting in 50% faster execution time
- Streamlining the process mining logic on insurance companies' screen logs data from ERP/CRM to capture 72% more relevant workflow patterns, and improve the tagging accuracy to more than 93%

Pitney Bowes

Data Science Intern

New York, NY

Jun 2021 – Dec 2021

- Queried SendTech databases consisting of 100+ schemas on Snowflake by SQL for parcel scan data in various U.S. facilities to provide business stakeholders with data-supported visibility of the Pitney Bowes network
- Developed 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
- Proposed AWS services adoption, including Amazon S3, Redshift, EMR (Apache Spark SQL), QuickSight, and SageMaker (Random Cut Forest algorithm)
- Designed a live and interactive Power BI dashboard to visualize and update statistical metrics based on users' inputs

FPT USA Corporation

Machine Learning Intern

Los Angeles, CA

May 2019 – Aug 2019

- Implemented hand detection and tracking algorithms by Python and GCP via neural networks on Tensorflow with an accuracy of 96%
- Optimized server response time and gesture recognition features by 15% by restructuring models' parameters
- Trained, analyzed, and selected the best dataset and model out of five based on classification metrics, timing, and accuracy

RESEARCH EXPERIENCE, PROJECTS & LEADERSHIP

Heffner Biomedical Imaging Lab, Columbia University

Research Assistant

New York, NY

Jun 2023 – Present

- Examining and quantifying lung CT scans by Python and deep learning to classify pulmonary emphysema
- Analyzing text and annotated findings from medical images by NLP algorithms to provide better patient diagnosis

Price Sensitivities in European Energy Market | *Data Mining & Predictive Modeling*

- Performed exploratory data analysis and data cleaning, and constructed explanatory variables based on key drivers of client churn
- Built churn models by Python and R to predict customer churn probability, and tested the effect of a 20% discount on likely-to-churn customers
- Prepared an executive summary with insights and recommendations for the division manager and stakeholders

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 correlations between weather conditions and car accidents in New York City
- Established ETL plans for extracting and loading data into the schema by Alteryx, and populated it in Oracle by SQL
- Created a Tableau dashboard to display and incorporate the statistics and data representations

Ascend – Baruch Chapter

Assistant Vice President of Technology

New York, NY

Sep 2019 – Jun 2020

- Spearheaded an 8-week HTML/CSS and 10-week Python workshop to introduce programming to 50 members
- Attracted over 80 applicants and converted current members into Ascend's talent pipeline
- Streamlined the technology committee's internal workflow and communication by integrating Trello and Slack

LANGUAGES & INTERESTS

Languages: Vietnamese (native), Mandarin Chinese (intermediate)

Interests: Classical piano music, Tennis, Vietnamese cuisine cooking, Cultural exchange, European soccer