

Martin Ngoh

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EDUCATION

Georgetown University McDonough School of Business

Master of Science: Business Analytics

GPA 3.8, Men's Soccer Team

Washington, DC

May 2022

Virginia Commonwealth University School of Business

Bachelor of Science: Supply Chain Management & Analytics

GPA: 3.9, Men's Soccer Team

Richmond, VA

December 2020

WORK EXPERIENCE

Deloitte Consulting LLP

Data Scientist

Arlington, VA

October 2021- Current

Centers for Medicare and Medicaid (CMS) – Risk Adjustment Data Validation (RADV)

- Develop and maintain machine learning (ML)/deep learning pipelines from start to deployment by leveraging advanced Python skills using Scikit-Learn (Sklearn), TensorFlow, and Keras libraries
- Designed an automated approach to launch jobs within the Linux environment, reducing turnaround time from 3 days to 2 hours. Led a successful presentation and provided training to 20 team members and senior managers
- Increased processing speeds by 50% by converting ML models from SAS to PySpark, resulting in a more efficient and effective data analysis process within the Azure environment
- Work with various supervised and unsupervised machine learning models, including neural networks (feedforward, recurrent), ensemble methods, and regressions to solve payment-level prediction problems
- Engineered a company-wide modeling tool in Python to quantify model drift and determine if re-training is necessary
- An essential member of the Artificial Intelligence (AI) Quality initiative helping the firm create coding standards

Sabra Dipping Company

Logistics Engineer Intern

Colonial Heights, VA

May 2020-August 2020

- Pioneered a time study to quantify internal warehouse processes in the raw materials department. Presented findings and recommendations to senior leaders
- Formed a novel procedure for measuring and categorizing time within the department, currently in operation
- Leveraged System Applications and Products in Data Processing (SAP) to track the movement of raw materials throughout the manufacturing plant while identifying potential gaps and risks

RELEVANT PROJECTS

Deloitte Consulting LLP

Prediction Model (6 months)

- Displayed expertise in statistical analysis by completing a project involving problem formulation, data collection, model building, and deployment, resulting in accurate predictions of goals scored by soccer players
- Leveraged ML algorithms, including LightGBM, CatBoost, Neural Network, Decision Tree, XGBoost, and Random Forest, to select the best-performing model with the lowest Root Mean Squared Error (RMSE)
- Successfully presented statistical analysis and results to 10 AI experts at the firm, resulting in being selected as the top performer from a cohort of 45 practitioners

Georgetown University

Customer Segmentation (12 months)

- Collaborated with a financial services firm to develop marketable customer segmentations through K-means analysis
- Successfully communicated complex technical information to non-technical stakeholders and ensured understanding through clear and concise explanations
- Delivered a comprehensive 20-page report to the client, providing actionable insights on valuable customer segments

SKILLS

Languages: English (Native), Spanish (Fluent)

Data Science: Python, R, Jupyter Notebook, Spyder, TensorFlow, PyTorch, Keras, NLP, Tableau, PySpark, Databricks, Azure, SAS, SQL, Linux, Git, Machine Learning, Artificial Intelligence, Deep Learning, Data Cleaning, Data Engineering, Visualizations (Matplotlib, Seaborn, ggplot2), Communication, Healthcare Analytics, Collaboration