

MARTIN NGOH

Arlington, VA

[linkedin.com/in/mngoh](https://www.linkedin.com/in/mngoh)

ngohlmartin@gmail.com

540-219-6441

CAREER ACCOMPLISHMENTS

- Work with big data up to ~20 million observations (2TB) to develop AI-driven business insights using SQL, Python, PySpark, SAS, and R
- Performed Bayesian Optimization on Neural Network model, resulting in a 12% increase in accuracy
- Independently created and deployed a K-means clustering algorithm to provide the client with transparency into the modeling process through 4 distinct clusters

PROFESSIONAL EXPERIENCE

Deloitte Consulting

Arlington, VA

Data Scientist

Oct 2021 – Present

Deloitte Consulting provides actionable strategies to clients across the globe, generating revenues of ~\$30 billion annually. Deloitte is a leader in providing AI solutions to maximize efficiency and business outcomes.

- Promoted to consultant within 2 years for exceptional performance and given a prestigious award for helping Deloitte win an unprecedented \$37 million contract for 3 additional years
- Co-led the refresh of 4 supervised ML models to aid in CMS' recovery of ~\$479 million annually
- Identified and implemented an automation solution in Linux, reducing turnaround time from 3 days to 2 hours. Conducted a briefing and training session for 20 colleagues, increasing team efficiency
- Developed a Python class to apply propensity weighting to samples resulting in a 10% decrease in elastic net regression error rate
- Decreased ML model processing times by 50% after converting code from SAS to PySpark
- Created an automated model monitoring report using Python and Tableau to measure model performance over time, quantifying model drift for 1,500 model variables

RELEVANT PROJECTS

Soccer Player Prediction Model (SPM)

- Scrapped web data and generated multiple supervised ML models to predict goals scored across Europe's top 5 leagues for 175 players, aiding in the acquisition of players costing ~\$200 million
- Recognized as the top performer among 50 practitioners by 10 AI leaders at Deloitte and chosen to present to the next cohort showcasing expertise in data analysis

EDUCATION

Georgetown University, M.S Business Analytics

2021 – 2022

Virginia Commonwealth University, B.S Supply Chain Management and Analytics

2018 – 2020