**MAGNUS** **AGHE**

206-468-6326| magnusaghe2016@gmail.com| Houston, TX 77082

[LinkedIn](https://www.linkedin.com/in/magnus-aghe-b54a2036/) | [GitHub](https://github.com/magnusaghe) | [Handshake](https://app.joinhandshake.com/stu/users/45327456)

**DATA SCIENTIST|ANALYST**

MS in Data Science, specializing in AI and Machine Learning, Magnus provides innovative solutions in statistical analysis, predictive modeling, and machine learning optimization. With over 16 years’ industry experience, 7 in data analytics, certified in Google Data Analytics, he holds an MBA and Bachelor's in Electrical/Electronics Engineering.

**EDUCATION & CERTIFICATIONS**

**MS in Data Science,** National University, CA, USA (GPA – 3.98/4.0)March 2024

[**Google Data Analytics Professional Certificate**](https://www.credly.com/badges/eabaafe0-bf03-4675-8f7e-08ad0371c0d7?source=linked_in_profile)January 2022

**Master of Business Administration (MBA),** University of LagosFebruary 2011

**Bachelor of Science in Electrical and Electronics Engineering,** Ambrose Alli UniversityNov 2004

[*Verified International Academic Qualifications by World Education Services (WES)*](https://www.credly.com/badges/2861359d-5c7b-46da-a47f-ccd912c53190?source=linked_in_profile)

**COMPETENCIES**

Machine Learning | Data Analytics | ETL | Relational Databases & SQL | Data Warehouse | Data Cleaning | Data Visualization | Data Analysis in SQL & Spreadsheets | Data Mining | R Programming | SAS | Python | SPSS | Statistics | Tableau | Pattern Recognition | Predictive Modeling | Operations Research | Project Management | Operations Management | Agile Methodologies| Scrum | Lean Six Sigma| Effective Presentations | Creative & Technical Writing | Content Writing, Dev. & Producing | Detail-oriented | Team Player | Communication

**TECHNOLOGY**

**Statistical Tools & Operating Systems:** Windows, MAC OS, Jupyter Notebook, Python, RStudio, R Markdown, Google Colab, TensorFlow, Pytorch, Keras, Orange, Excel, Google Cloud, Amazon Redshift, EC2, Amazon SageMaker, SAP HANA, Oracle, Snowflake, PowerBI, JIRA, Tableau, Looker, Plotly

**Programming** | **Coding Languages | Collaboration Tools**: Python, R, SAS, SQL, PostgreSQL, MySQL, BigQuery, HTML, CSS, GitHub, Kaggle, DockerHub, Microsoft Office, SAP, Salesforce, CMS, Adobe Target, ETL, SPSS, Anaconda, Jupiterian

**EXPERIENCE**

**National University | Data Scientist | Sep 2022 – Mar 2024**

Los Angeles Crime Hotspot and Category Classification (Thesis), Neural Networks and Deep Learning

* Predicted crime occurrences in Los Angeles using time series ML techniques like LSTM and ARIMA.
* Utilized ETL techniques to explore, clean, and visualize 14 years of crime and weather data.
* Performed image classification using MLP, ANN, CNN, and RNN with Keras and TensorFlow.
* Worked on classification of MNIST datasets, including Digits, Fashion and Sign Language.

Full Data Science Lifecycle Projects (including Healthcare, Financial, and Logistics Data Analysis)

* Applied ETL, data mining and machine learning algorithms using Python, R, and SAS on various datasets (e.g., Wine Quality, Fetal Health, Breast Cancer).
* Conducted A/B testing on model performance and deployed ML models to the cloud using technologies like Flask, AWS, and Docker.
* Analyzed healthcare datasets with SAS, SQL, and Tableau for pattern recognition.
* Worked on loan default classification, rental demand prediction, and predictive modeling using various machine learning techniques.

**Freelancer | Business Data Analyst/Data Scientist | May 2020 - Present**

* Leveraged SQL, BigQuery, and PostgreSQL to analyze large datasets using ETL techniques including from data warehousing systems like Snowflake and Oracle DBMS to enhance data-driven decision-making.
* Developed machine learning models into production environments.
* Utilized SAS, R, and Python to mine data for statistical analysis, and insightful data visualizations.
* Mastered Tableau Desktop for advanced data visualizations, business intelligence, and technical writing.
* Excelled in data analysis with Excel, with pivot tables, VLOOKUP, as well as MS Power Automate and Power BI for streamlined processes.

**Amazon | Process Assistant/Data Analyst | May 2020 - Present**

* Analyzed metrics using SQL, Google Sheets, Excel, performing root cause analysis, and identifying key trends.
* Developed Tableau and Power BI dashboards to monitor and report on KPIs, using ETL processes.
* Led a team of 70, optimizing workstations and maintaining high productivity and safety standards.
* Oversaw smooth operations in various process paths in the Pack Singles department.
* Spearheaded problem-solving initiatives to ensure timely package shipments, reducing CPT misses.

**Ornament Media | Business Data Analyst/Content Writer | July 2017 – Feb 2020**

* Drove business development and data analysis, utilizing Excel, SPSS, SAP, Oracle DBMS and PowerBI for viz.
* Grew revenue and clientele base by 600% through strategic publishing and business development initiatives.
* Authored and implemented diverse technical writing and creative content across multiple media platforms.
* Secured and executed a grant-funded radio drama series, enhancing brand visibility and outreach.

**HONORS & AWARDS**

* President’s Circle, National University
* National Society of Leadership and Success
* Omega Nu Lambda National Honor Society, Phi Chapter

**PROJECTS/PAPERS**

* [Advanced Crime Prediction in Los Angeles](https://github.com/magnusaghe/PROJECTS/blob/main/Elijah_Hengly_Magnus_Full_Thesis_TFA_SJ_MM%20signed-PRINT.pdf)
* [Microsoft Stock Price Prediction](https://www.researchgate.net/publication/374755691_Microsoft_Stock_Price_Prediction)
* [Seoul Bike Sharing System Demand Prediction](https://www.researchgate.net/publication/374755818_Predicting_Rental_Demand_for_Public_Bike_Sharing_-A_Case_Study_of_the_Seoul_Bike_Sharing_System)
* [Heart Disease and Heavy Alcohol Drinking Analysis](https://www.researchgate.net/publication/374756050_The_Association_Between_Heart_Disease_and_Heavy_Alcohol_Drinking_Among_Adults_in_the_United_States)

**OTHER CERTIFICATIONS**

[Deploy and Maintain Power BI Assets and Capstone Project](https://www.coursera.org/account/accomplishments/verify/OO42EJ8OH5FH)

[Microsoft: Creative Designing in Power BI](https://www.coursera.org/account/accomplishments/verify/2Q6LBBF0DHTZ)

[Microsoft: Data Modeling in Power BI](https://www.coursera.org/account/accomplishments/verify/PYON0VXR36Y6)

[Microsoft: Data Analysis and Visualization with Power BI](https://www.coursera.org/account/accomplishments/verify/GA55GMXY86N6)

[Microsoft: ETL in Power BI](https://www.linkedin.com/in/magnus-aghe-b54a2036/overlay/1720120452989/single-media-viewer/?profileId=ACoAAAegQHABwEX4-ezskkbuf9Cfo1lQj8KPqR8)

[Data Warehouses](https://www.linkedin.com/learning/certificates/7c42a1894ef3f71c14577460fe16f2e8e59178c4f94cc42c37a3215671b87a94?u=2168252)

[SAS Programming for R Users](https://www.linkedin.com/learning/certificates/012b760797ec96b01d4c763443c27d6793d570763d59b863d0b3d0577245cb5e?u=2168252)

[Certified Business Analysis Professional (CBAP) Certification Training](https://certificates.simplicdn.net/share/2528382.pdf)

[Business Analytics with Excel](https://certificates.simplicdn.net/share/2469417.pdf)

[Tableau Desktop Certified Associate](https://certificates.simplicdn.net/share/2266353.pdf)