BRYAN KIM M. BAUYON

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Open to Fully Remote / Work-From-Home Roles (Philippines & Global)

PROFESSIONAL SUMMARY

Licensed Chemical Engineer transitioning into Data Analytics and Data Science, combining engineering discipline with a passion for data-driven problem solving. Experienced in Python, SQL, Power BI, Tableau, and Machine Learning through real-world projects. Adept at transforming data into actionable insights that support smarter decisions. Thrives in collaborative, remote work environments with a focus on clarity, curiosity, and continuous learning.

CORE TECHNICAL SKILLS

- **Programming & Analysis:** Python (NumPy, Pandas, Matplotlib, Scikit-learn), SQL (Joins, Aggregations)
- **Visualization & Reporting:** Power BI, Tableau, Excel (Data Analysis, Pivot Tables, Charts)
- **Machine Learning:** Regression, Classification, Feature Engineering, Model Evaluation (ROC-AUC, F1)
- **Statistics & Analytics**: Hypothesis Testing, Correlation Analysis, p-value Testing, Process Optimization

PROFESSIONAL EXPERIENCE

Process Technical Engineer | Samsung Electro-Mechanics Philippines

Jan 2024 – Apr 2025 | Calamba, Laguna, Philippines

• Conducted data-driven experiments using Excel and statistical tools to optimize MLCC production parameters, improving yield by 5 % and reducing defects by 10 %.
• Created and maintained Excel spreadsheets tracking efficiency, throughput, and defect trends for production monitoring.
• Partnered with cross-functional teams to identify root causes using 5 Whys and Pareto analysis and recommended corrective actions, improving overall process stability.
• Supported continuous-improvement projects through KPI reporting and process documentation.

DATA SCIENCE & ANALYTICS PROJECTS

1. Loan Default Prediction (Finance)

🔗 GitHub Repository
- Built classification models using Logistic Regression, Random Forest, and XGBoost.
- Engineered features, tuned hyperparameters, and evaluated models using ROC-AUC and F1-score.

2. Heart Disease Prediction (Healthcare)

🔗 [GitHub Repository](#)

- Predicted heart disease presence based on clinical and lifestyle data.

- Applied data preprocessing, feature scaling, and classification algorithms.

3. Business Intelligence Dashboards – Real Estate & E-Commerce

🔗 [GitHub Repository](#)

- Developed two separate dashboards for real estate pricing analysis and e-commerce sales performance.

- Visualized key metrics, sales trends, and pricing insights using interactive visuals and KPIs.

4. Data Cleaning Competition – "Cleaning Data and the Skies" (DataCamp)

🔗 [View on DataCamp](#)

- Cleaned and validated EPA ozone pollution data to identify high-risk regions.

- Performed missing-value treatment, outlier detection, and visualization with pandas and NumPy.

5. DataCamp Projects Portfolio

🔗 [View on DataCamp](#)

- Published analytical projects demonstrating data visualization, data cleaning, and statistical analysis.

EDUCATION

Xaltius Academy — Singapore (Remote)

Data Science and AI Professional Certificate (Apr 2025 – Oct 2025)

• Completed a comprehensive, project-based training program covering Python, SQL, Power BI, Tableau, and Machine Learning.

Bachelor of Science in Chemical Engineering (Cum Laude)

University of the Philippines – Los Baños (2017 – 2023)

• PRC Licensed Chemical Engineer – October 2023

CERTIFICATIONS

Data Science and AI Professional Certificate | Xaltius Academy (Apr 2025 – Oct 2025)

- Training in Python, SQL, Power BI, Tableau, Machine Learning, and Generative AI.

- Completed hands-on projects across Finance, Healthcare, Real Estate, and E-Commerce.

Python Data Associate Certificate | DataCamp

🔗 [View on DataCamp](#)

- Credential ID: PDA0017384554917

ADDITIONAL INFORMATION

Languages: English (Fluent) • Filipino (Native)

Soft Attributes: Adaptable • Self-motivated • Collaborative • Eager to learn emerging AI tools