# 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
- **Soft Skills:** Problem Solving • Critical Thinking • Remote Collaboration • Cross-functional Teamwork

## 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. Predictive Modeling – Finance & Healthcare**

- Built Logistic Regression, Random Forest, and XGBoost models for classification tasks.
- Performed feature engineering, hyperparameter tuning, and ROC-AUC / F1 evaluations to optimize model accuracy and interpretability.

GitHub: https://github.com/BryanBauyon/data-science-projects

**2. Business Intelligence Dashboards – Real Estate & E-Commerce**

- Designed and developed interactive Power BI and Tableau dashboards to visualize key sales, pricing, and product performance trends.
- Delivered data-driven insights that supported better pricing strategy, inventory optimization, and management reporting.

GitHub: https://github.com/BryanBauyon/data-science-projects

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

- Processed and analyzed EPA ozone pollution data using Python (Pandas, NumPy).
- Handled missing values, outliers, and inconsistent formats; identified high-risk regions requiring policy intervention.
- https://www.datacamp.com/datalab/w/b51e152c-7c62-46e3-8b04-f0313960b705

**4. DataCamp Projects Portfolio**

- Published analytical projects demonstrating data visualization and statistical analysis skills.
- Portfolio: datacamp.com/portfolio/bkmbauyon

## EDUCATION

**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**

- Credential ID: PDA0017384554917
- https://www.datacamp.com/certificate/PDA0017384554917

## ADDITIONAL INFORMATION

**Languages:** English (Fluent) • Filipino (Native)

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