



Justine Cientos

Analytical and solutions-driven Chemical Engineer leveraging **Data Analytics**, bringing strong quantitative skills, programming experience, and a background in process optimization. Proven track record of using data-driven methods to enhance production performance, operational efficiency, and decision-making in large-scale industrial environments. Proficient in **Power BI, Python, and SQL**, with experience transforming complex datasets into clear, actionable insights. Adept at collaborating across technical and business teams to deliver meaningful outcomes. Highly motivated to apply analytics to solve real-world challenges in manufacturing and business operations.

CONTACT

- 📍 La Carlota City, Negros Occidental, Philippines 6130
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SKILLS

- Process Optimization & Troubleshooting
- Production Planning
- Business Intelligence
- Data Analysis
- Statistical Analysis
- Technical Report & Presentations

TOOLS

- Microsoft Excel & Power BI
- MySQL
- Python
- Microsoft PowerPoint & Word

EXPERIENCE

Technical Engineer – OPM

Universal Robina Corporation – La Carlota Distillery | La Carlota City, Negros Occidental

April 2025 – Current

- Supported data-driven decision-making by preparing, consolidating, and analyzing key operational reports including Production Plan, MaRP programs, progress reports, and OPEX/CAPEX budgets.
- Collaborated with cross-functional departments to gather operational requirements and ensure accuracy and completeness of reporting inputs.
- Developed presentation materials and dashboards for executive and operational meetings to communicate insights and recommendations.
- Participated in production planning, process optimization discussions, project conceptualization, and troubleshooting initiatives.
- Conducted research, in-house studies, and experimentations to evaluate process improvements and validate engineering assumptions.
- Documented key outcomes of planning and review meetings and ensured proper filing and version control of reports and records.
- Additional Roles:

Documented Information Controller – Managed controlled documents, standardized workflows, and maintained version control across departments.

Process Unit Manager – Raw Sugar

Victorias Milling Company Inc. – Victorias City, Negros Occidental

January 2023 – April 2025

- Managed day-to-day operations of the raw sugar process unit, ensuring safe, efficient, and compliant production output.
- Used Excel and process data analytics to reduce operational variabilities and support data-driven decision-making.
- Trained and supervised shift personnel, improving performance and adherence to safety and quality standards.
- Coordinated preventive maintenance schedules minimizing unplanned downtime.
- Additional Roles:
 - **Internal Auditor** – Conducted ISO 9001:2015 and FSSC 22000:2018 v6 audits, reviewed documentation accuracy, and monitored corrective actions.

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January 2022 - January 2023

EXPERIENCE

Management Trainee

Victorias Milling Company Inc. – Victorias City, Negros Occidental

- Completed a 2-year specialization track in the raw sugar department in only 1 year, demonstrating rapid learning and strong technical capability.
- Earned early management trust by supporting process troubleshooting and recommending parameter adjustments backed by data trends.
- Completed ISO 19011:2018 guidelines training and served as an Internal Audit Trainee.

EDUCATION

Bachelor of Science in Chemical Engineering

Colegio San Agustin - Bacolod | Bacolod City, Negros Occidental

- ◆ Dean's Lister – 2015 to 2017
- ◆ PIChe National Quizbowl Participant – 2018, 2020

CERTIFICATIONS

- *Registered Chemical Engineer* | Philippine Regulatory Commission
- *IT Specialist: Data Analytics* | Certiport - A Pearson VUE Business
- *Lean Six Sigma Yellow Belt* | MF Treinamentos
- *Microsoft Excel Data Analyst Professional Certificate* | DataSense Analytics
- *Microsoft Power BI Data Analyst Professional Certificate* | DataSense Analytics
- *MySQL Database Professional Certificate* | DataSense Analytics
- *Python Programming Professional Certificate* | DataSense Analytics

ACHIEVEMENTS

- ◆ *Top 4 of the October 2021 Chemical Engineering Licensure Examination* | Philippine Regulatory Commission
- ◆ *Top 5 of the PBI Pilipinas Data Challenge 2025* | Power BI Pilipinas