

Trixia Nicole V. Garcia

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Dedicated and licensed chemical engineer with a passion for advancing the field. Holds expertise in wastewater analysis, food production, and lead-acid battery manufacturing. Skilled in conducting thorough research, executing precise experimentation, and optimizing processes for superior efficiency. Possesses technical skills and dedicated to delivering results and operational excellence. Eager to apply my expertise and contribute significantly to the continuous advancements in the field of chemical engineering.

WORK EXPERIENCES

Process Engineer

January 2023- Present

Philippine Batteries Inc.,
Sta. Maria, Bulacan, Philippines

- Successfully implemented prompt resolutions for over 10 process-related issues.
- Improved formation temperature compliance by 20% and a 10% reduction in formation time and energy.
- Implemented data-driven solutions to address low end-of-formation specs, resulting in a 17% decrease in process deviation.
- Standardized operations to promote consistency and minimize variations in production processes.
- Developed and updated guidelines, procedures, and control plans for the assigned processes.

Quality Assurance Inspector

April 2021- February 2022

Century Pacific Food Inc.,
Biñan, Laguna, Philippines

- Managed Quality Control, Quality Assurance, Line, and Laboratory Inspection, including Physico-Chemical Analysis.
- Conducted thorough physico-chemical analyses on finished goods and inspected incoming raw materials.
- Oversaw and conducted random checks on the manufacturing process, procedures, and standard parameters.
- Enforced strict compliance with Good Manufacturing Practices and Sanitation Operating Procedures.

Internship

June 2019-July 2019

Laguna Lake Development Authority
National Ecology Center, Quezon City, Philippines

- Served as a Laboratory Assistant within the Environmental Laboratory and Research Division.
 - Measured wastewater pollution levels and provided recommendations to enhance water quality.
 - Collected wastewater samples for internal monitoring of the wastewater treatment facility processes.
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EDUCATION AND LICENSING

Licensed Chemical Engineer

October 2022
Professional Regulation Commission
Manila, Philippines 1008

Licensed Chemical Technician

October 2022
Professional Regulation Commission
Manila, Philippines 1008

BS Chemical Engineering

University of Santo Tomas
Manila, Philippines 1015
Dean's Lister (2020)

Project Management Training

November 2023
MST Connect Educational Consultancy
PRC Accredited, OCE-2022-062

SKILLS

- Proficient in identifying and implementing process improvements to enhance efficiency and reduce operational costs.
- Experienced in collecting and analyzing data to make informed decisions and drive process enhancements.
- Skilled at working with diverse teams and departments to achieve process-related goals.
- Proficient in identifying the root causes of process issues and implementing corrective action.
- Proficient in utilizing software (Excel, PowerBI) for data analysis and simulation.
- Possesses excellent communication skills and a strong aptitude for teamwork.