

HARVY L. DE GUZMAN

Mobile: (+63) 9914218507

Email: deguzmanharvylamayo@gmail.com

LinkedIn: [Harvy De Guzman | LinkedIn](#)

Address: Talisay City, Philippines 6115



OBJECTIVE

To land in a profession commensurate with my qualification as a Chemical Engineer/Environmental Engineer.

EDUCATION

MS University of St. La Salle, Environmental Engineering, On-Going

BS University of St. La Salle, Chemical Engineering, March 2016

ELIGIBILITY

Chemical Engineering Board Examination, May 2017

Passed: 77.6%

EMPLOYMENT EXPERIENCE

BEU Science Laboratories Coordinator

University of St. La Salle

La Salle Avenue, Bacolod City 6100

August 1, 2023 – present

I am a full-time Science Laboratory Coordinator under the Basic Education Unit of the University. Here are my outlined duties and responsibilities as the coordinator:

- Ensuring safety procedures and protocols are in place inside the Science Laboratories.
- Manage laboratory resources such as equipment, supplies, and materials.
- Develop and implement laboratory protocols and procedures for experiments and research activities and ensure it with documentation.

- Provide training and support to laboratory staff and students to ensure that they have the necessary knowledge and skills.
- Prepare and manage laboratory budgets including purchasing equipment, supplies, and materials, and ensure that expenditures are within budgetary constraints.
- Maintain laboratory records including inventory, maintenance, and usage logs, and ensure that they are accurate and up-to-date.
- Ensure compliance with all relevant regulations including health and safety regulations and regulations related to research activities.

Instructor I

Riverside College, Inc.

Dr. Pablo O. Torre Sr. St, Bacolod, Negros Occidental 6100

August 1, 2022 – present

I am a Part-time Instructor in Chemistry for Medical Technology students. Specifically, here are my duties and responsibilities:

- Teaches Inorganic Chemistry, Organic Chemistry, and Analytical Chemistry in both Lecture and Laboratory Classes.
- Designs weekly laboratory experiment relevant to the lessons being taught.
- Ensures all students follow safety rules and regulations during laboratory experiments.
- Works to ensure the goals and competency of the school are met.

Senior High School Instructor

University of St. La Salle

La Salle Avenue, Bacolod City 6100

August 1, 2022 – present

I am a Full-time Instructor of General Chemistry and Basic Calculus for Senior High School under the Science, Technology, Medicine, and Mathematics (STEM) Strands. The following are my tasks:

- Planning of daily lessons.
- Develop strategies and learning activities for STEM students.
- Track the learners' growth and development.
- Provide regular feedback to learners.

Column Operation Specialist III

Asian Alcohol Corporation

Brgy. Canjusa, Pulupandan 6102

April 2021 – present

- In charge of the Bioethanol Plant in producing 99.7% by volume ethanol for fuel blend.

- Ensuring product quality in coordination with the Quality Assurance Department.
- Worked with Praj Industries Limited in remote commissioning, part of process engineers in the construction, calibration, commissioning, and operation of new bioethanol plant.
- Responsible for start-ups and shutdowns of bioethanol plants.
- Initiates repair and maintenance of distillation columns and auxiliary equipment such as pumps, condensers, heat exchanging units, and measuring devices.
- Monitoring of process variables and ensuring steady-state operation.
- Applies troubleshooting and corrective actions when fluctuations, power interruption, and water shortage arise.

Column Operation Specialist II

Asian Alcohol Corporation

Brgy. Canjusa, Pulupandan 6102

January 2018 - April 2021

- In charge of the Distillation Plant in producing potable alcohol.
- Ensuring Product quality with coordination to the Quality Assurance Department.
- Responsible for start-ups and shutdowns of Alcohol distillery plant.
- Initiates repair and maintenance of columns and auxiliary equipment such as pumps, condensers, heat exchanging units, and measuring devices.
- Monitoring of process variables and ensuring steady-state operation.
- Applying troubleshooting and corrective actions when fluctuations, power interruption, and water shortages arise.
- Trains newly hired employees and On-the-Job Training (OJT) students with basic to advanced operation techniques in Alcohol distillery. .

On-the-Job Trainee

KOOLL Company Incorporated

Brgy. Bubog, Talisay City 6115

March 2015 – May 2015

- Monitoring and testing feedstock (molasses and water) before introducing it into the process.
- Quality control and checking in every fermentation and distillation stage.
- Testing of boiler water parameters.
- Checking product (anhydrous ethanol) quality before storage.
- Testing wastewater parameters before disposal.
- Studied the flowchart of the whole production, water, and wastewater treatment.
- Helping supervisors and workers during critical hours.

INVITED LECTURES

Industry Video Presenter via Zoom Meeting

Technological University of the Philippines Visayas

February 9, 2022

- Presented a video lecture about distillation operation to 4th year chemical engineering technology students as part of their Supervised Industrial Training.
- Talked about the roles of chemical engineers and chemical technicians in an alcohol distillery.
- Discussed common problems encountered in distillation operation and troubleshooting steps to apply to such problems.

Guest Speaker/Lecturer via Zoom Meeting

University of the Philippines Visayas

December 3, 2021

- Invited to talk about distillation operation to UP Visayas third year chemical engineering students.
- Talked about different roles of a chemical engineer in an alcohol distillery.
- Discussed common problems encountered in distillation operation and troubleshooting steps to apply to such problems.

SEMINAR

Chemistry Laboratory Safety Ethics, Structural Consideration, and Compliance to Environmental Laws: Theories and Applications Training Program, University of the Philippines Diliman, December 1, 2023

Basic Statistical Analysis using JASP and JAMOVI In-depth Training Workshop, Zoom Meeting, December 2, 9 and 16, 2023

2nd International Conference on Innovative Technologies for a Sustainable Environment, Zoom Webinar conducted by Society of Environmental Engineers of the Philippines and Adamson University, November 19, 2021

“Sana All Informed”, A Webinar on Solid Waste Management, via Zoom Meeting, November 6, 2021

81st PIChE National Convention, “Chemical Engineering Novelty Towards Excellence and Transformation”, SM City Bacolod, February 19 - 21, 2020

PROFESSIONAL AFFILIATIONS

Philippine Institute of Chemical Engineers, 2017- Present

SKILLS

- Knowledgeable in performing statistical tools such as Jamovi and SPSS softwares
- Basic knowledge of Python Programming
- Basic knowledge in ChemCad, Aspen Hysis, SketchUp simulation softwares
- Piping and Instrumentation Diagrams (P&ID) and Process Flow Diagrams (PFD) reading and interpretation
- Proficient in Microsoft Office such as Word, Excel, and PowerPoint.
- Can communicate well in the English language both oral and written skills.

REFERENCES

Marie Therese Bernadette F. Sales, PhD.
Professor
University of St. La Salle
tashie.sales@usls.edu.ph

Ricky Jose B. Sarroza, RChE
Process Supervisor
Asian Alcohol Corporation
rickyjosesarroza19@gmail.com

Bienvenido P. Baril, Jr., MEd.
Teacher III
Guinhalaran Integrated School
bienvenido.baril@deped.gov.ph

