

# MARK RYAN ROSAL TRIPOLE

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## PROFESSIONAL SUMMARY

Currently a part-time instructor at the Visayas State University's Department of Pure and Applied Chemistry. Obtained a Master's degree in Chemistry through the funding of the DoST's ASTHRDP, with research interests in Computational Chemistry and Materials Science. Former forensic chemist with experience in the analysis of illicit drugs and controlled substances. Has experience in providing court testimony for various litigation proceedings and familiarity with applicable laws and regulations. Former Documentations Coordinator for a GCC-based technical training company with 3 years of experience.

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## PROFESSIONAL EXPERIENCE

**August 2021 – Present**

**Visayas State University – Department of Pure & Applied Chemistry**

**Visca, Baybay City Leyte**

*Part-Time Instructor*

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| <b>Responsibilities and Achievements</b> | <ul style="list-style-type: none"><li>▪ Taught and handled chemistry-related laboratory and lecture topics.</li><li>▪ Facilitated the creation and updating of online learning classrooms for students.</li><li>▪ Designed exams and activities related to the subject material</li><li>▪ Performed other duties applicable to the position (administrative, etc.)</li></ul> |
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**August 2018 – September 2019**

**Philippine Drug Enforcement Agency (PDEA) Region VII – Laboratory Service**

**Sudlon, Lahug, Cebu City, Philippines**

*Drug Forensic Chemist I*

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| <b>Responsibilities and Achievements</b> | <ul style="list-style-type: none"><li>▪ Tasked with qualitative and quantitative analysis of dangerous drugs, controlled precursors and essential chemicals submitted to the laboratory section</li><li>▪ Facilitated the procurement of any necessary laboratory equipment and consumables (chemicals and reagents, etc.) as well as the scheduling of preventive maintenance for analytical instruments</li></ul> |
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**February 2010 – June 2013**

**Haward Technology Middle East / PetroLab Engineering (Technical Training)**

**Abu Dhabi, United Arab Emirates**

*Senior Documentations and Planning Coordinator*

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| <b>Responsibilities and Achievements</b> | <ul style="list-style-type: none"><li>▪ Engaged in the procurement and arrangement of training materials to be used in training courses offered by the company to clients in the GCC region</li><li>▪ Liaised with course instructors regarding any extra materials that they may require in the delivery of their training</li><li>▪ Ensured that the course materials were up to company standards before dispatch</li></ul> |
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## EXTRACURRICULAR EXPERIENCE

**Visayas State University (VSU) Chemical Society**

June 2014 – March 2015 (*Vice-President*)

June 2015 – March 2016 (*President*) [Secured 3<sup>rd</sup> Place as Best Course Related Organization]

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## EDUCATION

### Master of Science in Chemistry

University of San Carlos, Talamban Campus, Cebu City

August 2019 – June 2022

Area of Study: Computational Chemistry & Materials Science

Thesis Title: Insights into the Structural, Elastic, and Electronic Properties of Cubic M-Based Tellurium-Nitride Antiperovskites,  $M_3N\text{Te}$  ( $M = \text{Na, K, Mg, Ca}$ ) Through First-Principles Calculations

### Bachelor of Science in Chemistry

Visayas State University, Baybay City, Leyte

November 2013 – June 2017

Thesis Title: Levels of Lead, Cadmium and Chromium in the Surface Soil and Subsoil at the Dumpsite in Antipolo, Albuera, Leyte

### Bachelor of Science in Electronics and Communications Engineering

De La Salle University, Dasmariñas, Cavite

November 2005 – November 2009

Undergraduate

September 2001 – June 2005 (*Secondary Education*)

September 1996 – June 2001 (*Primary Education*)

St. Mary's Catholic High School, Dubai, United Arab Emirates

GCSE Edexcel London Secondary Examinations

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#### HARD SKILLS

- Proficient in the use of Microsoft Office applications
- Average typing speed is 80 to 90 wpm
- Experience in the utilization of precision laboratory instruments such as AAS (Shimadzu AX-7000), UV-Vis Instruments and GC-MS (Shimadzu QP-2010 Ultra)

#### SOFT SKILLS

- Excellent presentation skills
- Able to work with minimal supervision after being trained
- Excellent command of spoken and written English
- Excellent interpersonal skills, with excellent capabilities of working in a team

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## TRAINING, LICENSING AND CREDENTIALS

### Professional Regulation Commission (Philippines)

2017 Licensure Examination – *Licensed Chemist*

Date of Issue: October 24, 2017

Date of Expiry: March 25, 2023

### Philippine Drug Enforcement Agency

Drug Forensic Chemist Basic Training Course

Training Period: August 3 to November 9, 2018

Date of Issue: November 12, 2018

国際交流基金 (The Japan Foundation) and 日本国際教育支援協会 (JEES)

2018 日本語能力試験 (JLPT – Japanese Language Proficiency Test) N3 相当 (Intermediate Level)

Date of Exam: December 2, 2018

Date of Issue: January 20, 2019