



# CRYSTAL KATE M. SACAY

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## SUMMARY

Versatile and results-driven environmental science graduate with hands-on experience in both theoretical study and fieldwork. Adaptable in fast-paced environments, maintaining composure and focusing on solutions amidst challenges. Eager to apply and grow the knowledge gained through academic and field experiences within a professional setting. Committed to continuous learning and improvement, with a collaborative mindset for contributing effectively.

## EDUCATION

2022 - 2025

**Visayas State University**  
Visca, Baybay City, Leyte

### Bachelor of Science in Environmental Science

Thesis on "Community Awareness and Perception on River Embankment in Minimizing Flooding in Barangay Cogon, Baybay City, Leyte"  
Cum Laude

2020-2022

**Baybay City Senior High School**  
30 de Diciembre St. Baybay City, Leyte

### Senior High School (STEM strand)

Research study on "Diamonds are Formed Under Pressure: A Case Study on Parental Pressure"  
*With Honors*

2012 - 2016

**Baybay National High School**  
30 de Diciembre St. Baybay City, Leyte

### High School (STE curriculum)

Research study on "Rice Washing as Alternative Liquid Fertilizer for Spring Onions (*Allium fistulosum*)"  
*With Honors*

## FIELD AND TECHNICAL EXPERIENCE

- Conducted mangrove species identification and documented habitat characteristics through structured field surveys.
- Performed seagrass transect and quadrat sampling, evaluating species percent cover and community composition.
- Conducted watershed assessment in Quinapondan, Eastern Samar, focusing on circular-plot environmental sampling within assigned sub-watershed zones
- Maintained strict laboratory safety protocols, including clean bench methods and proper hazardous waste disposal.
- Operated biological and chemical lab equipment confidently—microscopes, multiparameter sensors, pipettes, pH probes, and others.
- Prepared comprehensive laboratory reports, including experiment documentation, data analysis, and formal write-ups.
- Applied scientific sampling techniques, performed basic data analyses, and produced technical writing with environmental framework.
- Designed and conducted a community survey assessing perceptions of river embankment efficacy for flood mitigation.
- Designed and executed a research study evaluating the use of rinsed rice water, a typically discarded household byproduct as a liquid fertilizer substitute for Welsh onion (*Allium fistulosum*)

## LEADERSHIP AND ORGANIZATION

- Sangguniang Kabataan - 1<sup>st</sup> Councilor (Environment Conservation Committee)
- VSU Helper's in Outreaching Mother Earth Stability - Member
- Rotaract Club Tacloban - Volunteer
- Kabataan Kontra Droga at Terorismo (KKDAT)
- Philippine Association of Environmental Science Student

## TRAININGS AND SEMINAR

- "SESAM ExChanges 17: Evaluation and Reflection of Current Environmental Challenges and Opportunities", UPLB, 2025
- "Current Trends in Acquisition of Spatial Data and its Use in Precision Forestry" VSU-Mendel University, 2024
- Seminar on "Kabataan Kontra Krimen, Droga at Terorismo"- Brgy. Cogon, Baybay City, Leyte 2024
- Seminar on "DALL Talk: RELO Lecture Series (English for Specific Purposes and Research Writing in Various Disciplines)" VSU (DALL)- US Embassy English Language Fellow, 2024
- "Sangguniang Kabataan Mandatory Training (SKMT) for the SK Members of the 92 Barangay of Baybay City

## SKILLS

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- **Office Applications:** Proficient in Microsoft Word, Excel, and Office Suite for document creation, data entry, and administrative tasks.
- **Design & Visual Communication:** Skilled in using Canva to create IEC materials and publicity graphics (pubmats) for events and campaigns.
- **Data Analysis:** Basic knowledge of SPSS and Excel for processing and analyzing survey or research data.
- **Language Skills:** Fluent in English and Filipino; conversant in Bisaya; basic comprehension of Waray.
- **Professional Traits:** Detail-oriented, organized, adaptable, and dependable; strong written and verbal communicator; committed to meeting deadlines and collaborating effectively.