

LEANNE MARIE LORETO

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EDUCATION

- 2019 - 2023 *Bachelor of Science in Meteorology*
Visayas State University - Main Campus
- *Cum Laude*, DOST-SEI Scholar
 - 2023 VSU Leadership Award Finalist
- 2013 - 2019 *Science, Technology, Engineering, and Mathematics (STEM) strand*
Visayas State University Integrated High School
- *With Honors*, Leadership Award Recipient

RESEARCH INTERESTS

Agrometeorology, Agriculture, Climatology, Disaster Risk Reduction and Management, Remote Sensing / Geographic Information Systems and its Applications

TECHNICAL AND SPECIALIZED SKILLS

- Proficient in Microsoft Office (Excel, Word, PowerPoint) & Google Workspace Management
- Knowledgeable in QGIS (Processing/Visualization/Analysis of ground-measured and satellite data)
- Experienced in Hazard and Exposure Mapping
- Trained in handling weather instruments such as barometers, psychrometers, wind vanes, anemometers, thermometers, and rain gauges
- Skilled in Graphic Design using Photopea, Inkscape and other software
- Skilled in Basic Video Editing
- Experienced in Administration and Strategic Planning

WORK EXPERIENCE

DOST-PAGASA Central Office

Quezon City, Metro Manila

On-the-Job Trainee

Jul 2022 - Aug 2022

- Developed an impact-based forecasting and early-warning system (IBFEWS) leaflet, educating the stakeholders and the public on an improved risk assessment system
- Assisted in preparing IBFEWS workshop materials, enhancing the overall efficiency of the affair
- Conducted hourly weather observations at the PAGASA Science Garden Station to support accurate data collection

SK Council of Poblacion Zone 5, Baybay City

Baybay City, Leyte

Graphic Designer & Printing Services Provider

Feb 2022 - Jun 2022

- Designed print and publicity materials for SK events, improving the council's public presence in the barangay

Private

Baybay City, Leyte

High School Math Tutor

Nov 2021 - Dec 2021

- Provided one-on-one tutoring sessions to a high school student in various math subjects, including Algebra, Geometry, and Calculus

VSU Department of Pure and Applied Chemistry

Work Immersion Intern

Baybay City, Leyte

Jan 2019 - Mar 2019

- Assisted with laboratory preparation for chemistry experiments, including preparing chemical solutions and laboratory materials
- Adhered to strict safety protocols and regulations, ensuring the safe handling and storage of chemicals and equipment
- Maintained laboratory equipment, ensuring it was clean and in good working condition

Private

High School Math & Science Tutor

Baybay City, Leyte

Aug 2018 - May 2019

- Explained complex math, chemistry, and computer technology concepts clearly and concisely, using real-life examples to help the student understand
- Developed personalized lesson plan for the student based on their learning style and abilities

PROJECT INVOLVMENT

- Jul 2022 – Aug 2023: ***Impact-Based Forecasting and Early Warning Services (IBFEWS)*** (Project Title: Weather and Climate Science for Service Partnership Southeast Asia – WCSSP-SeA). PAGASA.

On-the-Job Trainee

- Development of the IBFEWS leaflet for stakeholders and the public
- Aided the WCCSP-SeA Project Staff in data inputting, IBF workshop preparation and secretarial duties

CURRENT WORKING RESEARCH

Semblante, O., Laurente, L., **Loreto, L.M.**, Marte, J.Z., Labisores, R., *Exposure Mapping of STY Rai (Odette) Induced Storm Surge in San Juan, Southern Leyte, Philippines*. Characterization of agricultural, population, and infrastructural exposure of San Juan, Southern Leyte's coastal barangays to STY Rai using ground truth data processed in the QGIS software.

PRESENTATIONS AND WORKSHOPS ATTENDED

- *'Exposure Mapping of STY Rai (Odette) Induced Storm Surge in San Juan, Southern Leyte, Philippines'*, College of Engineering and Technology (CET) Colloquium 2023, RDE Hall, VSU, Baybay City, Leyte, Philippines. May 26, 2023 (Oral Presentation)
- Master Class: Weather Forecasting in the Philippines and Workshop on Isoleth Analysis, CET Activity Hall, VSU, Baybay City, Leyte, Philippines. March 3, 2023 (Participant)
- Impact-Based Forecasting (IBF) Workshop for PAGASA Forecasters and Researchers. Amihan Conference Room, PAGASA Science Garden, Diliman, Quezon City. August 17-18, 2022 (Participant)
- VSU Typhoon Awareness and Calamity Readiness Webinar. Baybay City, Leyte, Philippines. June 29, 2022 (Participant)
- Lamdag Ormoc's 2-Day Basic Training on Psychological First Aid (PFA) with Expressive Arts. Lintaon Pavilion, Baybay City, Leyte, Philippines. April 5-6, 2022 (Participant)
- MetTalks: Experiences and Challenges of Early-Career Meteorologists. Online. June 19, 2021 (Participant)
- Earth Shaker Philippines' WEATHERing with you: Connecting Waters to Weather and Climate in the Philippines. Online. March 27, 2021 (Participant)
- DOST-SEI Scholars' Values Formation Program. Online. March 26, 2021 (Participant)

REFERENCES

- Prof. Oliver D. Semblante Assistant Professor,
Department of Physics
Visayas State University – Main Campus
oliver.semlante@vsu.edu.ph
- Engr. Lorenzo A. Moron Chief,
HTMIRDS-RDTD (Hydrometeorology, Tropical
Meteorology & Instruments Development & Research
Division – Research and Development and Training
Division)
Philippine Atmospheric, Geophysical, and Astronomical
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