
Christine Gay P. Liberato

Agricultural and Biosystems Engineer

Purok 2, Linomot, Jones
Isabela, Philippines 3313
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SKILLS

Soil and Water Management, Geographic Information System Specialist, Microsoft Office Application

EXPERIENCE

ISU Geomatics Center, ISU, Echague - *University Research Associate II*

June 2018 – May 2020

- Facilitates trainings, seminars and workshop on GIS functionalities and its applications in agriculture, fishery, engineering and environmental science
- Mentors faculty and staff from ISU Echague, Cabagan and Roxas in using GIS that will be integrated to their subjects
- Utilizes ArcGIS software by extracting and analyzing remotely sensed data and produced maps that can be use and utilize by the university and local government units as a basis for planning and policy formulation

DA RF0 4B, Quezon City, Philippines - *Engineer I*

August 2017 - December 2017

- Monitors and validates farm to market road projects of the region
- Conducts field work of the potential farm to market road projects by geotagging and tracking waypoints using a GPS device
- Makes report and analysis on the monitoring, validation and field work done

ISU Phil-LiDAR 2, ISU Echague - *Research Associate*

October 2015- May 2017

- Processed LiDAR data using Ecognition and ArcGIS software to mapped the agricultural resources of the Cagayan Valley, Philippines
- Conducts field validation of the extracted agricultural, coastal, forest and water resources using GPS, GNSS base and rover, total station, spectrometer, flow meter, echo-sounder
- Coordinates with the local government units during field validations and interview locals in the area
- Processed and produced suitability maps for renewable energy sources for biomass, solar and wind resource
- Lead the installation of sensors such as pyranometer, wind speed and direction sensor in the Cagayan Valley to validate the processed renewable energy resource maps

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- Served as the focal person for the renewable energy resource mapping component of Phil-LiDAR 2 in Cagayan Valley

EDUCATION

Isabela State University, Echague, Isabela - *Master of Science in Agricultural Engineering*
October 2015 – December 2019

Thesis Title: *Suitability Mapping and Assessment Of Potential Sites For Diversion Dam In Isabela Province Using Soil And Water Assessment Tool (SWAT)*

Isabela State University, Echague, Isabela - *Bachelor of Science in Agricultural Engineering*

June 2010 - April 2015

Thesis Title: *Growth Performance Of Carabao Grass (Cajanus Cajan) Under Water-Logged Condition*

ACHIEVEMENTS/INVOLVEMENTS

Research Paper Presented at 26th World Conference on Applied Science, Engineering and Technology– *Institute for Engineering Research and Publication, Manila, Philippines*

February 26-27, 2020

Resource Speaker on the Regional Trainor's Training on Water Resource Assessment, Flood Modelling and Simulation using GIS, HEC-RAS/HMS and SWAT– *Water Resources and Development Center, Isabela State University*

February 10-14, 2020

Resource Speaker on the Training-Workshop on Introduction and Advanced GIS and Other Geospatial Technologies in Forestry, Agriculture, Engineering and Natural Resource Management – *Nueva Vizcaya State University*

February 4-6, 2020

Resource Speaker on the Hands-on Training on GIS for LiDAR Map Products Utilization–*ISU Geomatics Center*

September 26-28, October 17-19, 2018

Passed National Licensure Examination for Agricultural Engineers – *Professional Regulation Commission*

September 2015

Best Undergraduate Thesis-University Level – *Isabela State University-Echague campus*

April 2015

Vice President for Philippine Society of Agricultural Engineers-PPG – *Isabela State University*

June 2014-April 2015

Associate Editor for The Builders – *School Paper, College of Engineering, Isabela State University*

June 2014-April 2015

TRAININGS/SEMINARS ATTENDED

Biomass Carbon Assessment for Forestry, Agriculture and Other Land Uses– *Nueva Vizcaya State University*

February 3, 2020

Mentorship-Orientation of ISU Faculty on Geomatics Functionalities and Applications–
Climate Change Center, Isabela State University

September 14/21, 2019

Geomatics Conference for ISU Faculty– *ISU Geomatics Center*

January 19, 2019

Seminar-Workshop on Research Opportunities on the Aquatic and Marine Resources of Region 2– *DOST-NAST*

July 26-27, 2018

Regional Science and Technology Week (RSTW) Celebration– *DOST*

August 14-15, 2018

First International Conference on Governance and Partnership, and Technology Exhibition on Climate Change Adaptation (CCA) and Disaster Risk Reduction Management (DRMM)– *DOST, LGU Cauayan*

October 22-26, 2018

Advance Training on QGIS in Application of Farm to Market Road Network Inventory Map – *Department of Agriculture, Kidapawan City, North Cotabato*

December 11-15, 2017

Training and Workshop on Topographic Survey – *Department of Agriculture, Puerto Princesa, Palawan*

November 13-17, 2017

Training on Applied Geotagging Tools – *Department of Agriculture, Makati City, Manila*

November 13-17, 2017

Training on Agro-hydrology and Dam Design – *Department of Agriculture, Puerto Princesa, Palawan*

September 13-17, 2017

Philippine Renewable Energy Resource Mapping Using LiDAR Surveys General Workshop – *University of the Philippines Diliman, QC*

February 2-3, 2017

3rd Philippine ESRI GIS Education Conference – *Geodata Systems, Makati City, Manila*

December 7-8, 2015

Philippine Geomatics Symposium – Global Navigation Satellite Systems Mapping –
University of the Philippines Diliman, QC

November 23-24, 2015

International Course on Water and Water Management– *Leiden University, The Netherlands/Mabuaya Foundation, Cabagan, Isabela*

January- February 2014

CHARACTER REFERENCES

Dr. Joel M. Alcaraz Ph. D, Dean-COE-ISU-Echague, *0908-213-3119*

Dr. Dante M. Aquino, Ph. D, Project Leader, Isu Phil-Lidar 2, *0917-3079-609*

Engr. Annielyn L. Del Rosario, RAED Chief, Da RF04b, *0918-6070-515*

Dr. Januel M. Floresca, Ph. D ISU Geomatics Center Director, *0905-4456-589*

Engr. Nelia S. Alvarez, College Secretary-COE-ISU-Echague, *0917-5912-344*

PERSONAL DETAILS

Nickname : **Gay**
Birth date : **September 26, 1993**
Age : **27 years old**
Sex : **Female**
Civil Status : **Single**
Nationality : **Filipino**
Height : **5'1**
Weight : **52kgs.**
Interests : **Reading books, travelling, photography, writing**

CHRISTINE GAY P. LIBERATO

Applicant