

CURRICULUM VITAE



PERSONAL INFORMATION

Name	Martin Jan Enolva Mercurio
Profession	Licensed Geodetic Engineer (GE), License no. 0008960
Birth Date	22 December 1989
Permanent Address	Brgy. Linao, Inopacan, Leyte, 6522, Philippines
Email Address	mrtnmercurio22@gmail.com ; martin.mercurio@vsu.edu.ph
Mobile Phone	+63 968 569 1176; +63 955 537 6742
Language Spoken	English, Filipino, & Cebuano
Religion	Roman Catholic
Nationality	Filipino
Gender	Male
Civil Status	Married

OCCUPATIONAL FIELD

Academe (Geodetic Engineering)

EDUCATIONAL BACKGROUND

Post-Graduate

Master of Science in Geomatics Engineering (specializing in Applied Geodesy)

University of the Philippines, Diliman, Quezon City, Philippines, 2018 – 2020
Scholarship: Engineering Research and Development for Technology (ERDT-DOST)
Graduated: July 2020

Tertiary

Bachelor of Science in Geodetic Engineering (BSGE)

Visayas State University (VSU), 2006 – 2012
Baybay City, Leyte, Philippines
Graduated: April 2012

Secondary

Leyte State University – Laboratory High School (LSU-LHS)

2002 – 2006
Visayas State University (formerly Leyte State University)
Baybay City, Leyte, Philippines
Graduated: March 2006

Elementary

Baybay North Central School (BNCS)

Baybay City, Leyte, Philippines
Graduated: March 2002

WORK EXPERIENCE

Instructor III

Department of Geodetic Engineering (DGE)

Provide instruction and education in geodetic engineering professional courses such as surveying, geographic information system (GIS), geomatics, geodesy, geodetic computations and adjustments, and other engineering courses; develops syllabus and overall course structure for face-to-face and online modality; develops student learning guides and manuals; administers students' grades; performs other functions in the committees assigned related to personnel and curriculum; involved in research projects such as land valuation and land survey consultancy, Screenhouse-based HTP for the Development of Climate Resilient Root crops, Spatial Decision Support Systems for Forest Sustainability; reviewer of Scopus-indexed journal/conference article proceedings; serve as a consultant, and expert-on-call to short-term services; and serves as a resource person to various seminar/training organized by the university and professional organizations.

Faculty of Engineering (FE), VSU
Visca, Baybay City, 6521-A, Leyte, Philippines
April 2024 – Present

Instructor I

DGE

Teaches geodetic engineering professional courses such as surveying, geographic information system (GIS), geomatics, geodesy, geodetic computations and adjustments, and other engineering courses; develops syllabus and overall course structure for face-to-face and online modality; develops student learning guides and manuals; administers students' grades; advises student organizations and student research; performs other functions in the committees assigned related to personnel and curriculum; involved and conducts training, research and extension; serve as consultant to short-term services; and performs other functions assigned by the supervisors.

College of Engineering and Technology, VSU
Visca, Baybay City, 6521-A, Leyte, Philippines
August 2016 – April 2024

College Secretary

College of Engineering and Technology (CET)

Administrative support: handling correspondence, managing calendars, and scheduling appointments or meetings; communicating as a point of contact for students, faculty, and staff; and disseminating information through various channels.

VSU
Visca, Baybay City, 6521-A, Leyte, Philippines
November 2023 – December 2024

<u>Department Head</u>	DGE Implements and supervises the implementation of all department instruction, research, extension, and administration-related activities; Establishes linkages with government agencies, academe, companies, industries, and other establishments to enhance its curricular offerings. Faculty of Engineering, VSU Visca, Baybay City, 6521-A, Leyte, Philippines July 2022 – January 2023; January 2025 - Present
<u>Part-time Instructor</u>	DGE Conduct lectures on BS Geodetic Engineering professional courses, other engineering, and mathematics courses. College of Engineering, VSU Visca, Baybay City, 6521-A, Leyte, Philippines June 2014 – May 2016
<u>Geodetic Engineer</u>	JC Bencure Surveying Office Conduct isolated and engineering surveys; supervise the survey team in conducting different kinds of land surveys; prepare documents and computations necessary for approval of survey returns; prepare survey plans by manual plotting and using computer-aided drawing and drafting software. Baybay City, Leyte, Philippines October 2012 – June 2014
<u>Student Intern</u>	Certeza Infosys Corporation Perform tasks assigned by the immediate surveying manager and survey team leaders, such as conducting land surveying, GPS observation, preparing sketch plans, and documenting survey data. San Juan City, Metro Manila, Philippines November 2011 – February 2012
<u>Private Practitioner as GE</u>	Conducts isolated and engineering surveys, supervises the team in conducting different kinds of land surveys, from isolated survey to topographic and engineering surveys, prepares documents and computations necessary for approval of survey returns, prepares survey plans, and serves as a consultant to clients concerning their land property inquiries. July 2014 - Present

PUBLICATIONS	
April 2024	Mercurio, M. and Reyes, R.: THE APPLICABILITY OF LOW-COST MULTI-FREQUENCY MULTI-GNSS RECEIVERS FOR GEODETIC CONTROL SURVEYING, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLVIII-4/W8-2023, 371–377, https://doi.org/10.5194/isprs-archives-XLVIII-4-W8-2023-371-2024 , 2024.
December 2019	Garcia, H. H., Mercurio, M. E. , Noveloso, D. P., and Reyes, R. B.: POSITIONAL ACCURACY ASSESSMENT USING SINGLE AND MULTI-GNSS, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLII-4/W19, 223–227, https://doi.org/10.5194/isprs-archives-XLII-4-W19-223-2019 , 2019.
TRAINING AND SEMINARS	
<u>Resource Speaker</u>	40th GEPI Visayas Area Assembly <i>Topic: Exploring Precise Point Positioning for Land surveying Application</i> <i>Organized by Geodetic Engineers of the Philippines, Inc.</i> Sabin Resort & Hotel, Ormoc City, Leyte November 22-23, 2024
<u>Participant</u>	Training Program on Geospatial Technologies and Data Analytics <i>Organized by AIT Thailand, UCAS China, VSU Philippines, & Ministry of Agriculture Lao PDR, Funded by ANSO</i> Asian Institute of Technology, Thailand July 16-24, 2024
<u>Participant</u>	Drone training in preparation for RPAS Examination <i>Conducted by GEOCAT PH</i> Visayas State University June 18, 2024
<u>Resource Speaker</u>	49th National Directorate Meeting and Convention <i>Topic: Post-processing of Single Baseline GNSS Data using Free and Open Source GNSS Processing Software</i> <i>Organized by Geodetic Engineers of the Philippines, Inc.</i> Leyte Academic Center, Palo, Leyte June 14-15, 2024
<u>Participant</u>	Special Lecture on Low-Cost GNSS Receivers by Dr. Dinesh Manandhar Sheraton Manila Hotel, Pasay City, Philippines April 26, 2024
<u>Participant</u>	United Nations/Philippines Workshop on the Applications of Global Navigation Satellite Systems (GNSS) Sheraton Manila Hotel, Pasay City, Philippines April 22-26, 2024

<u>Resource Speaker</u>	48th GEPI-08 Annual Regional Convention <i>Topic: Applicability of Low-Cost Multi-Frequency Global Navigation Satellite System Receiver in The Creation of Digital Elevation Models</i> Binaybayon Convention Center, Baybay City, Leyte February 2-3, 2023
<u>Presenter</u>	PhilGEOS 2023 <i>Presented the paper "THE APPLICABILITY OF LOW-COST MULTI-FREQUENCY MULTI-GNSS RECEIVERS FOR GEODETIC CONTROL SURVEYING" by M. Mercurio & R. Reyes; Organized by the Department of Geodetic Engineering, University of the Philippines Diliman, Quezon City, Philippines; the symposium includes the presentation of the research and projects in international geomatics engineering science.</i> UP Institute of Biology Auditorium, University of the Philippines Diliman December 6-7, 2023
<u>Resource Speaker</u>	Training-Workshop on Plotting and Topographic Map Preparation with Civil 3D and Google Earth Rotary Club, Tacloban City September 30, 2023
<u>Resource Speaker</u>	47th GEPI-08 Annual Regional Convention C Pavillion, San Jose, Tacloban City April 21-22, 2023
<u>Resource Speaker</u>	Development of University Policy on Landslide Risk Mitigation for Dormitory Residents in Visayas State University CCE, VSU, Baybay City, Leyte March 4, 2023
<u>Participant</u>	Pista ng Mapa X State of the Map Asia 2022 Bicol University East Campus, Gymnasium, Legazpi City, Albay, Philippines November 21-25, 2022
<u>Resource Person/Trainer</u>	Seminar-workshop Series on Assessment of Environmental Pollution Associated with Poultry and Livestock Production Series Two: Applications of GIS and GPS in Environmental Pollution Assessment College of Veterinary Medicine, VSU November 18, 2022
<u>Resource Person/Trainer</u>	QGIS Training for HUMAIN Project III Eco-FaRMI Training Hall, VSU July 19-22, 2022

<u>Resource Speaker</u>	46th GEPI-08 Annual Regional Convention <i>Topic: Applicability of Low-cost Multi-frequency GNSS Receivers of Geodetic Control Surveying</i> Pacific Point, San Jose, Tacloban City March 25-26, 2022
<u>Participant</u>	Rise and Fall? How Local Factors Influence Sea Levels Online/UP DGE June 7, 2021
<u>Participant</u>	GNSS Data Processing for High-Accuracy Positioning Using Low-Cost Receiver Systems Online/ICG, UNOOSA & CSIS, THE UNIVERSITY OF TOKYO January 19-21, 2021
<u>Participant</u>	Technical Seminar on Reference Frames in Practice: Progress and Challenges in the Asia-Pacific Region Online/International Federation of Surveyors: FIG December 12, 2020
<u>Participant</u>	Beyond Surveying: Geodetic Engineers at the Forefront of Research and Innovations in Geospatial Science and Technology Online/Caraga State University November 18, 2020
<u>Participant</u>	UP DGE Professorial Chair Colloquium 2020 Online/UP DGE October 21, 2020
<u>Participant</u>	Do's and Drones: Empowering LGUs with Drones Online/Foundation for Economic Freedom & The Asia Foundation September 3, 2020
<u>Participant</u>	Increasing Efficiencies in Scholarly Writing and Publishing David M. Consunji Theater, Institute of Civil Engineering, University of the Philippines Diliman March 2020
<u>Participant</u>	8th ERDT Congress, The Rise of Smart Cities and Communities Philippines International Convention Center, Pasay City, Philippines August 2019

<u>Presenter</u>	14th Geomatics Student Project Colloquium - Department of Geodetic Engineering, University of the Philippines Diliman <i>Student projects presentation of the geodetic engineering and geomatics engineering courses</i> GE Theatre, Department of Geodetic Engineering, University of the Philippines March 25, 2019
<u>Participant</u>	Geoid Modeling Training <i>Organized by the Department of Geodetic Engineering, University of the Philippines Diliman</i> <i>Training and lecture on geoid modeling</i> National Engineering Center, University of the Philippines, Philippines November 11-16, 2018
<u>Participant</u>	Gravity Field Modelling, Geodesy and Gravimetry <i>Organized by the Department of Geodetic Engineering, University of the Philippines Diliman</i> <i>Lecture and training on gravity</i> National Engineering Center, University of the Philippines, Philippines October 15-19, 2018
<u>Participant</u>	15th DOST-ERDT Conference and 11th AUN/SEED-NET <i>Organized by the Department of Science and Technology</i> <i>Presentation of the research and projects in engineering technology</i> Manila Hotel, Manila, Philippines September 27-28, 2018
<u>Participant</u>	44th National Directorate Meeting and Convention <i>Organized by the Geodetic Engineers of the Philippines, Inc.</i> <i>National updates, technical sessions, and updates in the field of geodetic engineering</i> Mandaue City, Cebu, Philippines June 7-9, 2018
<u>Resource Person/Trainer</u>	Basic Quantum Geographic Information System (QGIS) Software Training for Local Government Unit Organized by VSU Phil-LiDAR Training on basics in using and familiarization of the QGIS software and manipulation of data VSU April 3-7, 2017
<u>Participant</u>	31 st , 32 nd , and 33 rd Geodetic Engineers of the Philippines, Inc. (GEPI) Visayas Area Assembly; 38 th & 39 th Geodetic Engineers of the Philippines, Inc. (GEPI) Regional Area Assembly - Geodetic Engineers of the Philippines, Inc. Information and updates in the field of geodetic engineering November 21-22, 2014; November 6-7, 2015; November 4-5, 2016; March 21-22, 2013; April 3-4, 2014

<u>Participant</u>	<i>Research, Development and Extension In-house Review and Planning Workshop</i> – College of Engineering, Visayas State University Formulation of research proposal and presentation of research proposal for possible funding Visayas State University, Philippines September 3, 2016
<u>Resource Person/Trainer</u>	<i>College of Engineering Quantum Geographic Information System (QGIS) Training-Workshop</i> – College of Engineering, Visayas State University Training on vector data processing and management Visayas State University, Philippines June 6-8, 2016
<u>Participant</u>	<i>Basic Training for EBEE Unmanned Aerial Vehicle (UAV) & Sensefly-eMotion Interface and Planning</i> – RainbowGEO UAV operation and important matters in conducting aerial survey RainbowGeo; Philrootcrops, Visayas State University, Philippines November 24-28, 2014
<u>Participant</u>	<i>Transition Course on Manifold to Quantum Geographic Information System - Deutsche Gesellschaft Für Internationale Zusammenarbeit (GIZ)</i> Basic to advanced skills in using QGIS software Visayas State University, Philippines November 24-28, 2014

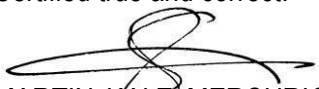
RESEARCH INVOLVEMENT

<u>Study Leader</u>	Study Leader, Spatial Analysis of Land Use Data and Field Data Techniques for Forest Landscapes Management in Silago and Maasin City, Southern Leyte Project: CITIZEN-SDSS: Using Citizen Science approaches and Spatial Decision Support Systems to foster nature-based solutions to sustain and expand the remaining forest landscapes of the Philippines Funded by: Velux Stiftung, Switzerland August 2024 – Present
<u>Study Leader</u>	Study Leader, GIS Expert Project: SolarSafe: Renewable Energy Solution for Disaster Resilience in the Philippines Funded by: Deutsche Gesellschaft fuer Internationale Zusammenarbeit (GIZ) GmbH October 2024 – April 2025
<u>Study Leader</u>	Component 2: Land Surveying Project/Consultancy: Land Valuation/Appraisal, Surveying, and Assessment of LEIZ-Core Merida Area Funded by: Bureau of Investment, Department of Trade and Industry

	December 2023 – July 2024
<u>Study Leader</u>	<p>Study 1: Multispectral and Hyperspectral Imaging (HIS) of Sweetpotato Plants under Controlled Water-Stress Conditions</p> <p>Project: Screenhouse-based High-Throughput Phenotyping (HTP) for Development of Climate-Resilient Rootcrops (Project code: VSU-IP-2023-3)</p> <p>July 2023 – Present</p>
<u>Expert on call</u>	<p>Study 2: Multispectral and Hyperspectral Imaging (HIS) of Cassava and Sweetpotato Plants at Different Stages of Growth</p> <p>Project: High-Throughput Field-Phenotyping (HTFP) of Major Rootcrops Using Unmanned Aerial Vehicle (Project code: VSU-IP-2021-1)</p> <p>April 2021 – December 2021</p>
<u>Reviewer</u>	<p>International Society for Photogrammetry and Remote Sensing (ISPRS) Technical Commission V Symposium 2024</p> <p><i>Papers accepted for the event were published in the ISPRS Annals or Archives. Publications are listed in the ISI Conference Proceedings Citation Index, Web of Science, Scopus, and the Directory of Open Access Journals.</i></p> <p>April 2024</p>
EXTENSION/SHORT-TERM SERVICES	
<u>Technical Assistant: Geodetic Engineer/Drone Operator</u>	<p>Technical Assistance for Post Disaster Assessment of Typhoon Agaton in Baybay City, Leyte</p> <p><i>Aerial Survey and Mapping of Disaster Stricken Areas</i></p> <p>Requesting Party: LGU Baybay City, Leyte</p> <p>Baybay City, Leyte</p> <p>April 2022</p>
<u>Technical Consultant: Geodetic Engineer</u>	<p>Topographic Hydrographic Survey of Sabang River</p> <p>Requesting Party: LGU Baybay City, Leyte</p> <p>Brgy. Sabang, Baybay City, Leyte</p> <p>June 21-22, 2017</p>
PERSONAL SKILLS AND COMPETENCIES	
<i>Technical skills and competencies</i>	<ul style="list-style-type: none"> • Skilled in operating different surveying instruments such as total station, transit, and GNSS receivers for land surveying • Conduct expert services to professionals in the use of different GNSS survey techniques • Focusing on GNSS application of low-cost dual-frequency GNSS receiver • Ability to give technical advice and support to client's concerns and problems concerning their real property, such as land, gained in practicing the profession as Geodetic Engineer • Ability to train individuals or groups in using GIS software and its applications • Ability to conduct geodetic surveys and higher precision positioning applications

Computer skills and competencies	<ul style="list-style-type: none"> • Proficient in using GIS and Remote Sensing software: ArcGIS, Quantum GIS, ENVI, & Google Earth Engine • Proficient in using MS Office programs: Word, PowerPoint, Excel, & etc. • Proficient in GNSS baseline/network adjustment software: RTKLIB/Trimble Business Center • Proficient in coding using the Python programming language • Proficient in using the LaTeX program in document preparation
Organizational skills and competencies	<ul style="list-style-type: none"> • With leadership skills gained through experiences as a team leader in a survey team and department head in the academic unit • Optimistic approach to activities, people, and events developed by joining extra-curricular activities in the university • Advising student organizations such as Geodetic Engineers of the Philippines – Visayas State University Student Chapter
Other skills and competencies	<ul style="list-style-type: none"> • Competitive in skateboarding • Music enthusiast, composer, best at playing drums, and plays guitar • Capable in driving motorcycle and automobile
ADDITIONAL INFORMATION	
<u>Professional Affiliation</u>	Geodetic Engineers of the Philippines, Inc. (GEPI) since 2012
REFERENCES	<p>Dr. Jannet C. Bencure Dean, Faculty of Engineering Visayas State University, Philippines</p> <p>Dr. Czar Jakiri S. Sarmiento Deputy Executive Director, National Engineering Center University of the Philippines Diliman, Philippines</p> <p>Dr. Rosalie B. Reyes Faculty, Department of Geodetic Engineering University of the Philippines Diliman, Philippines</p>

Certified true and correct:


 MARTIN JAN E. MERCURIO