MA. EMMALIZA S. ORILLANO

Licensed Geodetic Engineer | Expert Land Surveyor

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# Professional Summary

Results-driven and licensed Geodetic Engineer with over 3 years of progressive experience in land surveying, geospatial analysis, and project management. Adept in using Total Stations, GNSS, GPS, GIS, AutoCAD, and QGIS. Demonstrates a strong track record of leading field teams, delivering precise survey outputs, and ensuring regulatory compliance. Eager to bring technical expertise and leadership to a global engineering or construction firm.

# Core Competencies

Geodetic & Topographic Surveys, GPS, GNSS, and Total Station Operations, GIS Mapping & Data Analysis (QGIS, ArcMap), AutoCAD Civil 3D Drafting, Legal & Boundary Surveys, Project & Team Management, Construction Layout & Staking, Relocation & Subdivision Surveys, Clear Technical Reporting, Client Relations & Stakeholder Communication

# Tools & Technologies

Software: AutoCAD, Civil 3D, QGIS, ArcMap, ENVI, MS Office

Instruments: GNSS, Total Station, Automatic Level, NMAX

# Professional Experience

**Geodetic Engineer / Team Leader**

Orillano Surveying & Engineering Services, Ormoc | Jan 2022 – Present

* Led and completed land surveying projects across urban and rural sites using advanced geospatial tools, reducing average project timelines by 25%.
* Boosted overall client satisfaction by 30% through accurate reports and timely project delivery.
* Executed over 50+ relocation and subdivision surveys for private landowners and corporations.
* Delivered precise construction layout and staking services for infrastructure projects including Globe Telecommunications’ Core Site, Citi Hardware, and Triumph Depot.
* Partnered with firms like RNR Konstruk Corp, NGCP, RJIR Construction, and Villasencio Global Corp. for high-impact surveys.

# Project Highlights

• Segregation Surveys – DITO Cell Sites (Leyte): Collaborated with RNR Konstruk Corp for cell site boundary establishment to optimize telecom expansion.

• Topographic Surveys – NGCP & Sea Ventures: Mapped terrain with high-accuracy elevation data for infrastructure planning and environmental compliance.

• Construction Support – Globe Core Site Project: Coordinated with Pythagoras Contractor and DCDD Consultant, ensuring survey precision and alignment with architectural plans.

# Education

**Bachelor of Science in Geodetic Engineering**

Visayas State University – Baybay City | 2020

# Licenses & Certifications

* Licensed Geodetic Engineer – PRC (2021)
* 49th & 47th Annual National Directorate Conventions (2024, 2022)
* Open Mapping Guru – Oceania Mapathon (2024)
* UP Geodetic Engineering Student Conference (2019)

# Languages

• English – Fluent

• Filipino – Native