

# Athenee Teofilo

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## Professional Summary

A personable, committed, and hardworking **GIS Professional** with extensive knowledge in computer programming, cartography, and data analysis to discover patterns and trends using spatial digital maps and mapping software. With a **Bachelor of Science in Geodetic Engineering** and a **Master of Geospatial Science**, I commenced my **PhD program at RMIT University**, Victoria on July 1, 2022.

Professional, innovative, creative, and curious, I have a blend of sharp intellect, strong analytical and troubleshooting skills, and I thrive on building strong relationships with teams and stakeholders to improve processes and provide optimal solutions for business improvements. I am adept at performing under pressure on tight deadlines and keep focused on using technology to propel people and organisations forward.

## Core Competencies

- **Outstanding written/verbal communication and interpersonal skills** - ability to build strong long-term strategic relationships with internal and external stakeholders.
- **Excellent time management, planning and multi-tasking skills**, enabling precise management of a demanding workload.
- **Strong work ethic** - operates with professionalism and demonstrates integrity.
- **Critical thinking** - strong analytical and problem-solving skills.
- **Meticulous attention to detail** – commitment to excellent outcomes.
- **Quality assurance** – ensuring accuracy and quality to meet relevant regulatory requirements.
- **Collaborative team player** – works equally as well autonomously.
- **Committed to ongoing learning, personal and professional development.**

## Technical Skills

- Qualified and efficient in data acquisition, processing and data quality control using MapInfo, ESRI Enterprise (ArcGIS Pro, ArcMap, ArcGIS Online, etc.), QGIS, AutoCAD, and programming language.
- Ability to mobilise and operate surveying instruments: Total Station, GPS, RTK, Level (Automatic & Laser).
- Experience with GPS measuring tools.

## Qualifications

DOCTOR OF PHILOSOPHY - GEOSPATIAL SCIENCE | *RMIT University, Victoria, AUS* | *Commenced July 1, 2022*

- Granted a RMIT University Scholarship
- Thesis Title: *“Sustainable building affordances of Three-Dimensional Visualized Urban Landscape Planning and Design”* under the supervision of *Dr. Chayn Sun and Dr. Marco Amati of RMIT University*

#### MASTER OF GEOSPATIAL SCIENCE | *RMIT University, Victoria, AUS* | 2020

- Key subject includes: GIS Fundamentals, GIS Principles, Cartography and Visualisation, Remote Sensing, Geospatial Programming, Database Concepts, UAS Advanced Operations, Distributed Mapping, and Advanced GIS
- Published thesis paper: “Investigating potential rooftop solar energy generated by Leased Federal Airports in Australia: Framework and implications”, *A. Teofilo, Q. Sun, N. Radosevic, Y. Tao, J. Iringan, and C. Liu, Journal of Building Engineering, Volume 41, 2021, 102390, ISSN 2352-7102, <https://doi.org/10.1016/j.jobe.2021.102390>, September 2021*

#### BACHELOR OF SCIENCE IN GEODETIC ENGINEERING | *University of Saint Louis Tuguegarao, Philippines* | 2016

- Key subject includes: Related courses: Remote Sensing, Cartography, Development Planning, Photogrammetry, Geographic Information System

## Memberships

INTERNATIONAL STUDENT MEMBER | *Surveying & Spatial Science Institute (SSSI, VIC)* | Jun 2019 – Dec 2020

MEMBER | *Geodetic Engineers of the Philippines (GEP-NCR)* | Nov 2016 - Present

EXECUTIVE MEMBER | *Geodetic Engineering Students' Association (USLT – GESA)* | Jun 2011 – Apr 2015

## Career Experience

#### TEACHING AND RESEARCH - CASUAL

*RMIT University, Victoria, AUS* | Mar 2021 - current

- Laboratory Demonstrator/Tutor/Grader for Advance GIS, Professional Practice & GIS Fundamentals
- Projects undertaken: Bendigo Solar, I-tree, Wyndham City Council Tree Identification, AURIN

#### GEOSPATIAL ANALYST - CASUAL

*Intelfuse Pty Ltd, Victoria, AUS* | Apr 2021 - Aug 2022

- Interprets LiDAR data of both man-made and assets with the company software
- Reviews, edits, analyses, and manipulates spatial data using QGIS
- Manages project data and assures data quality in and out of the system.
- Supports software developments, testing, in-house reports and/or documentations to ensure the success of any project.

#### GIS ANALYST - CASUAL

*RapidMap, Victoria, AUS* | Feb 2020 - May 2020

- Captured spatial data of open space assets such as park furniture, gardens, retaining walls, sports field, pathways, fencing and other reserve assets using MapInfo
- Populated and updated data for corporate GIS and asset management systems
- Operated GIS platforms to provide data and other deliverables

- Created data and manipulated techniques which includes digitizing aerial photographs, analysis of spatial data, and data cleansing.

#### ENGINEER A

*Chico River Pump Irrigation Project – National Irrigation Administration, Philippines | Aug 2018 – Feb 2019*

- Plotted and interpreted data from field for design purposes
- Prepared location drawings, strip maps, plan, and profiles
- Checked, provided, and computed necessary data for site use
- Set and monitored points, controls, and elevations on site
- Lead and assisted teams for various survey activities
- Assisted relocation surveys and conducted joint survey works with the contractors and stakeholders

#### PRIVATE GEODETIC ENGINEER / LAND SURVEYOR

*Private, Philippines | Feb 2018 – Jul 2018*

- Created mosaics of cadastral map, relocation, and lot maps for extrajudicial settlement
- Conducted private relocation surveys and subdivision surveys for agricultural and residential lots

#### SITE SURVEYOR

*Sumitomo Mitsui Construction Corp., Inc. Phils, Philippines | Jan 2017 – Jan 2018*

- Set out and checked vertical and horizontal control points on site
- Prepared, provided, and kept quality and consistent survey data
- Performed surveying duties related to Civil and structural work
- Interpreted and executed design drawings
- Handled survey groups in charge of layouts and daily monitoring on site

#### TRAINEE

*RC Tollo Surveying and Construction Services, Philippines | Apr 2014 – May 2014*

- Processed, plotted, and interpreted data from field
- Prepared location sketches or drawing
- Downloaded and processed of data from Survey Instruments
- Assisted Survey works on the field

## Certificates and Licences

**Micro-credential Certificates** | RMIT University, Australia

**Geodetic Engineer License** | Professional Regulation Commission Philippines | Nov 2016 - Present

**Civil Service (Professional) Certificate** | Oct 2014 – Present

**VIC Driver's Licence: Car**

## Publications

**“Investigating potential rooftop solar energy generated by Leased Federal Airports in Australia: Framework and implications”**

*A. Teofilo, Q. Sun, N. Radosevic, Y. Tao, J. Iringan, and C. Liu*

*Journal of Building Engineering*

*Volume 41, 2021, 102390, ISSN 2352-7102,*

<https://doi.org/10.1016/j.jobbe.2021.102390>.

September 2021

## Volunteer experience

**Volunteer** | Melbourne International Arts Festival, Australia | Oct 2 – 20, 2019

**Venue Support** | Melbourne Writers Festival, Australia | Aug 20 – Sept 8, 2019

**Daffodil Day Volunteer** | RMIT University, Australia | Aug 24, 2019]

**Student Council Member** | School of Engineering, Architecture and Fine Arts – USLT, Philippines | Jun 2011 – Apr 2015

## Referees available on request