



# Tey Sui Zer

Geospatial Engineer | GIS



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Whatsapp



Github  
portfolio



Linkedin

## About Me

Fast learning and dedicated person who aim to work in GIS and IT industries. I also worked as a Geospatial Engineer , involved in various of surveying works and dealing with many post-processing data jobs.

> Fully Vaccinated.

### References

Mr. New Say Ann, Director of Magic Mapper  
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## Skills

### Geospatial software

- > Autodesk Software (CAD, Recap, Revit)
- > Esri Arcgis Pro 2.5, QGIS, Pix4D, ENVI IDL

### GIS web map development

- >> Python Django framework
- > Folium, Pandas, Json, Openrouteservice
- > MySQL, SQLite3
- > Google Geocoding API, GCP
- >> Python Web Scraping
- > Selenium, Webdriver, Pandas
- >> JavaScript
- > Arcgis Developer API for JavaScript Ver. 4

### Coordinate Transformation Module

- >> Python Auto-py-to-exe
- > PyQt5, Tkinter, Pandas, Pyproj, DigitalClock

### 3D Model Segmentation

- >> Python
- > Open3D, Matplotlib, Numpy

### Etc.

- >> R Studio
- > Raster, tmap, sp
- >> MATLAB
- >> C++

## Competitions & Awards

### Grab Geo\*Star UTM Competition

- Research Topic: Visualizing relationship between EV Charging Stations and Economic Areas using web GIS.
- Pitching > Progress > Demo
- Individual category: Shortlisted to final round

## Education

### Bachelor Of Geomatics Engineering (Honours)

2018 - 2022 | University of Technology Malaysia (UTM)

- Student Status Document
- CGPA: 3.70
- FYP: Evaluation of Low Cost LiDAR Sensor Integrated on Apple Ipad Pro 2020 for Indoor Crime Mapping

### Malaysian Higher School Certificate (STPM)

2016 - 2017 | Form 6 Mod 2 Johor Jaya 1

## Working Experiences

### Jan 2022 Magic Mapper

#### Mac 2022 Drafter

- Writing technical proposal on 3D laser scanning for historical buildings in Malaysia.
- Conduct, analyze and compiled GPR data for utilities mapping. Produced proposed HDD cable plans.

#### July 2020

#### Sep 2020 Geographer Analyst

- Worked with drafter teams, carried out digitizing works, analysis of UAV and utilities topographic mapping.
- Involved in many post-processing jobs relevant to modelling. (3D point clouds, UAV, sea bed elevation)

#### July 2021 JK Khoo Licensed Land Surveyor Firm

#### Sep 2022 Geomatics Trainee

- Worked with various surveyors to be responsible in data collection, data entry and registration in different scenarios of sites.
- Involved in land titles, demarcations, hydrography.
- Produced proposed telecommunication tower plans.

#### Jun 2019

#### Sep 2019 Geospatial Engineer

- Worked with levelling teams, involved in settlement monitoring in reclamation area of Forest City project by Country Garden Holding Ltd.
- Analyze the directions and compute velocities of subsidence for all luxury coastal bungalows.

## Certificates

### Survey of Python in GIS applications

Issued April 2021 | Udemy

- Credential ID: UC-4ade2c59-4228-4f1f-bde2-5b3584acaffe
- This course covers the basics of the python language, the GIS, and the core python packages for data analysis, especially of geospatial data.