Tey Sui Zer

+60 1128655756 • teysuizer1998@gmail.com • Github Portfolio • Linkedin • (Private & Confidential)

Profile Summary

Name: Tey Sui Zer

Age: 23

Nationality: Malaysian

Address: 11, Jalan Lawa 17, Taman Pelangi Indah, 81800 Ulu Tiram, Johor.

About me: Fast learning and dedicated person who aim to work in the big tech industries. I worked as a Geospatial Engineer, has gained many real working experiences, gave solutions for encountered issues. Have big passions in learning Machine Learning and Data analysis.

Education Background

University Technology of Malaysia   Sep 2018 – July 2022

- Bachelor (Hons) Geomatic Engineering   3.70/4.00

Form 6 (Mod 2) SMK Johor Jaya 1, Johor Bahru   May 2016 – Nov 2017

- Malaysia Higher School Certificate (STPM)   3.09/4.00

SMK Taman Pelangi Indah   2011 – 2015

- Malaysian Certificate Education (SPM)   8As

Projects & Portfolios

- **Coordinate Transformation module**
  Created a coordinate transformation module in exe file that can batch processing, converting data between geographical coordinates and 3-Dimensional coordinates using PyQt5.

- **GIS web map**
  Simulated a web GIS application that shows OpenStreetMap with shapefiles, GeoJSON and POIs on HTML using Python Django. http://tey.pythonanywhere.com/

- **Web Scraping for database.**
  Using Python Selenium, web scraped long addresses of fast food branches, then write into MySQL.

- **3D Model Object Detection**
  With Open3D library, applied RANSAC algorithm to segment walls, then applied DBSCAN to detect unlabelled 3D point cloud data into objects. (Unsupervised clustering and simple automation processes)

Software & Specialities

- **Engineering Software**
  AutoCAD Surveying (Expert), AutoDesk Recap (Intermediate), AutoDesk Revit (Beginner), CDS, Metashape, ArcGIS Pro, ENVI, QGIS, Pix4D

- **Programming**
  Python, R, MySQL, JavaScript, MATLAB, C++

- **Computer**
  Microsoft Word, Microsoft Excel, Microsoft Power Point, Microsoft Access

- **Language**
  English (Professional), Chinese (Native), Malay (Professional)

Working experiences

Jurukur Khoo Sdn.Bhd.

Geomatics Trainee (INTERNSHIP)   July 2021 - Sep 2021

- Carried out various demarcation and land title, engineering survey jobs.
- Involved in underground utility engineering survey using Electromagnetic Pipe Locator.
- Out stationed for hydrographic survey. (magnetometer and multibeam)
- Post-processed UAV, hydro, stockpiles, 3D TLS point cloud data.

Geospatial Engineer   July 2019 - Sep 2019

- Involved in settlement monitoring for all luxury coastal bungalows located in reclamation area of Forest City project by Country Garden Holding Ltd.
- Involved in stockpiles survey for rocks etc. and post-processed of data acquired, computed the volumes.
- Carried out underground utility survey using Ground Penetrating Radar (GPR) for Shell petrol station.
- Carried out single beam hydrographic survey on sea near Forest City Iskandar Puteri Malaysia.

Magic Mapper Sdn.Bhd.

Drafter   Dec 2021 - Mac 2022

- Assisting in writing technical proposal for carrying out 3D laser scanning on historical buildings in Malaysia.
- Analysed and compiled data acquired from Ground Penetrating Radar (GPR) for utilities mapping.
- Produced underground utility topographical maps for proposed HDD cables requested by clients.

Geographer Analyst   July 2020 - Sep 2020

- Worked with various engineers to be responsible in data collection, data entry, and data registration in different scenarios of sites.
- Worked as geographer analyst, carried out digitizing works, analysis of UAV and utilities topographic mapping. Familiar with Autodesk products and other surveying software.
- Produced plans of proposed telecommunication tower location and radio ranges.

Non-Engineering Skills & Co-Curricular Activities

Vice President, Dart Club in SMK Johor Jaya 1   2016 - 2017

- In charge of the dart competition events. Make sure program flows in order. Participated in competitions up to district level. Earned runner up award.

Grab Geo*Star UTM Competition   Apr 2022 – Jun 2022

- Research Topic: Visualising relationship between EV Charging Stations and Economic Area using web GIS. Third prize confirmed.

Courses & Certificates

- **Survey of Python in GIS applications**
  Udemy – Issued Apr 2021
  Credential ID: UC-4ade2c59-4228-4f1f-bde2-5b3584acaffe

- **Deploying a Python Data Analysis web app on Heroku**
  Coursera – Issued May 2022
  Credential ID: https://www.coursera.org/account/accomplishments/certificate/W78K8TZDB5UK
  Website: https://gss-tey.herokuapp.com/