

SYUKRI FADZIL

Geotechnical Engineer/Data Analyst

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SUMMARY

I am a dedicated geotechnical engineer with a Master's degree in Geotechnic Engineering and diverse experience in geotechnical projects. I have developed strong skills in data analysis, project management, and client interaction, complemented by my background in geology and solid academic performance. I am committed to advancing my expertise in geotechnical engineering and contributing to innovative projects. Currently, I'm actively learning and gaining professional certificates in Data Analyst and Cybersecurity Engineer from Coursera. This is because I have so much interest in working in the IT field.

EXPERIENCES

Site Engineer/Geologist

Pintary Foundations Pte Ltd

📅 01/2024 – 01/2025 📍 Singapore

Construction company specializing in foundation works.

- Responsible on piling works done.
- Recording all the samples and measurement before, during and after boring activities.
- Responsible to confirm SPT100, rocks and toe.
- Liase with the main contractor on the piling works done.
- Updating all the recorded data gained from piling works using Microsoft Excel.
- Documenting the cast piles in a Bored Pile Records daily and send to the main contractor and consultant to be verified.
- Record all the assets movement in and out the designated site.
- Oversee the work done on the test piles and handling all the calculation for the test piles.

Geologist/Supervisor

Soil Investigation Pte Ltd

📅 09/2023 – 01/2024 📍 Singapore

Soil investigation service provider.

- Responsible on the soil investigation works done.
- Analyzing and identifying the samples taken from drilling operation.
- Liase with the client regarding on the on-going project.
- Supervised the work done by the workers and liase with the rig's operator regarding on how deep has been drilled.
- Liase with the management team regarding on the analyzed samples.
- Responsible on handling the workers and the rig that they're working on.
- Handling the miscellaneous items needed for the rig and the workers.

Offshore Geotechnical Engineer

Asian Geos Sdn Bhd

📅 10/2022 – 07/2023 📍 Kuala Lumpur, Malaysia

Offshore geotechnical service provider.

- Responsible on checking the geotechnical equipment and calibration on board.
- Oversee the recording of geotechnical data.
- Observe the recovery of all the seabed samples, analyses, log, classify, test and photographic samples.
- Review all online geotechnical records and perform systematic interpretation of the soil samples/in situ test records on-board and code some of the data using gINT.
- Advise on processing parameters and process the downhole CPT data.

Research Assistant (Geotechnical)

Universiti Teknologi Malaysia

📅 10/2021 – 12/2022 📍 Johor, Malaysia

Research university focused on technology and engineering.

- Research on groundwater in hard-rock aquifer in Pulau, Johor.
- Site visit to obtain clear view of drilled well.
- Using ArcGIS to determine the surface geology of Gunung Pulau and the study area.
- Used AutoCAD to describe and visualize the drilled well and the subsurface geology of the study area.
- Interpret and evaluate the drilled well and the groundwater quality of the study area.
- Wrote a research paper on groundwater characterization in hard-rock aquifer.
- Wrote a thesis on the 'Characterization and Evaluation of Hard-Rock Aquifer in Gunung Pulau, Johor for a Sustainable Groundwater Management'.

Research Assistant (Physics)

Universiti Teknologi Malaysia

📅 01/2021 – 09/2021 📍 Johor, Malaysia

Research university focused on technology and engineering.

- Fabricated glass to match the properties of bioglass.
- Handled machine such as diffractometer to understand the molecules present in the fabricated bioglasses.
- Planned and executing the research.
- Interpreting and plotting the data gained from characterising the glasses that have been fabricated.
- Learn how to handle machines that need to be used to characterize the glass samples such as SEM and FTIR machines.

GIS Technician

Iowa State University

📅 08/2018 – 01/2020 📍 Ames, USA

Research university focusing on various disciplines.

- Assisted my supervisor on the projects that they have.
- Drawing maps for roadblocks when they maintain the roads on the campus ground.
- Learn how to use the ArcGIS software that has been provided in the lab.

Lab Technician

Iowa State University

📅 09/2019 – 05/2020 📍 Ames, USA

Research university focusing on various disciplines.

- Assisting the professor to plant seed.
- Assessing the planted seed and their growth pattern in different condition.
- Cleaning and prepare the trays to plant the seeds.

Dining Staff

Iowa State University

📅 01/2018 – 01/2019 📍 Ames, USA

Research university focusing on various disciplines.

- Assisting students to prepare their foods.
- Helping the staffs in the kitchen by doing the preparation of the food and cleaning the kitchen.
- Learning on how to handle foods the right way.

EDUCATION

Master of Philosophy in Geotechnic Engineering

Universiti Teknologi Malaysia

📅 03/2021 – 12/2022

📍 Johor, Malaysia

Bachelor of Science in Geology

Iowa State University

📅 01/2018 – 08/2020

📍 Ames, USA

International Baccalaureate

Kolej Mara Banting

📅 06/2014 – 06/2014

📍 Selangor, Malaysia

Malaysia's Certificate of Education (SPM)

SMK Bandar Tun Razak

📅 01/2009 – 12/2013

📍 Kuala Lumpur, Malaysia

PROFESSIONAL CERTIFICATES

Python Essentials 1

Cisco

Link: https://www.credly.com/badges/458f33a7-daa0-4485-99f2-879534505c10/public_url

Introduction to Cybersecurity

Cisco

Link: https://www.credly.com/badges/819f771e-d15a-4807-ba4d-f3133d5e16da/public_url

IBM Data Analyst

IBM

Link: <https://coursera.org/share/34d83e49664c886ce26994b35b93b9fb>

Data Analysis with Python

IBM

Link: <https://coursera.org/share/cc9eb9cdf2750a6240dc7f3677b68bbd>

IBM Data Analyst Capstone Project

IBM

Link: <https://coursera.org/share/71819510204dcfdf0bd6cd098bde5da6>

Data Visualization with Python

IBM

Link: <https://coursera.org/share/30ae9416909a4fb16b9dbd0d734fc0bf>

Database and SQL for Data Science with Python

IBM

Link: <https://coursera.org/share/002d1616f60f8975ffa1e47e8a562bdc>

Excel Basic for Data Analysis

IBM

Link: <https://coursera.org/share/e846f7b3cf24d92293b640ec85cb143d>

Python Project for Data Science

IBM

Link: <https://coursera.org/share/84f35173480e6e51f34790d974c2d2d3>

Data Visualization with Excel and Cognos

IBM

Link: <https://coursera.org/share/cc4e3e847c69573c6e14c7e2efb131f2>

Python for Data Science, AI Development

IBM

Link: <https://coursera.org/share/f12cdc2e15e17095647ea7a86f915433>

STRENGTHS & SKILLS

Technical Skills

- Python
- mySQL
- R
- Tableau
- ArcGIS
- gINT
- AutoCAD
- Microsoft Office
- Data analysis
- Research and Lab works

PORTFOLIO(S)

Data Analyst's Portfolio

Link: <https://github.com/syukrifadzil/Data-Analyst-Portfolio/>

PROJECTS

P2406-Project BB, Sengkang (SJ Consultants) – Pintary Foundations Pte Ltd

📅 10/2024 – Present

P2304-Bedok North CBP (Jupiter Builder) – Pintary Foundations Pte Ltd

📅 05/2024 – 09/2024

P2105-Legend (CCDC) – Pintary Foundations Pte Ltd

📅 04/2024 – 05/2024

P2303-J115A (HSB) – Pintary Foundations Pte Ltd

📅 03/2024 – 04/2024

CR3016 (LTA) – Soil Investigation Pte Ltd

📅 12/2023 – 01/2024

NSSQ (SI Works at NS Square) – Soil Investigation Pte Ltd

📅 10/2023 – 12/2023

CR101 (MCC Singapore) – Soil Investigation Pte Ltd

📅 09/2023 – 10/2023

Jack-up Platform (PETRONAS, Sarawak) – Asean Geos Sdn Bhd

📅 02/2023 – 06/2023

Bridge Construction from Bataan to Manila (TYLin) – Asean Geos Sdn Bhd

📅 10/2022 – 01/2023

Groundwater Exploration – Universiti Teknologi Malaysia

📅 10/2021 – 12/2022

Glacial Changes in the Northern Part of United States – Iowa State University

📅 08/2019 – 12/2019

Summer Geology Field Camp – Iowa State University

📅 05/2019 – 07/2019

LANGUAGES

Malay

Native



English

Proficient



REFERENCES

Edy Tonnizam bin Mohamad

- Supervisor and Professor
- Jabatan Timbalan Naib Canselor, Universiti Teknologi Malaysia
- edy@utm.edu.my