

SMJ

About

Project

Contact

Hi, I'm

Sharon M. J

Programmer &
Researcher

Picture

About Me

A Physics graduate who loves to and versatile
in R&D, data science, and web development
based in Penang. Currently an event crew
freelancer.

My Expertise

- Python
- C++
- HTML/CSS, and JavaScript
- Basic SQL for data science
- Excel, Word, and PowerPoint, and OriginLab

Mainly for machine learning

Methodology and Data Structures

Developing website

For the research
and development

Note:
Display
each when
hovered

Education

Bachelor of Science (Hons.) (Physics) University of Science Malaysia (USM) (2023) • Research Thesis: Gravitational Wave Classification Using Deep Learning.

• Internship: Research Assistant at X-Ray Crystallography Lab, USM.

• CGPA: 3.20

Matriculation Programme Labuan Matriculation College (KML) (2019) • Science Stream (Physics, Chemistry, and Mathematics)

• CGPA: 3.67

Experience

B.Sc. Project: Gravitational Wave Classification Using Deep Learning (Nov 2021 – Jul 2022) • Developed deep learning architectures combined with different pre-trained models to identify gravitational waves in signal data.

• Conducted the studies using Kaggle platform, and TensorFlow as the machine learning framework.

• Explored CUDA, cuDNN, OpenCV, and cloud computing with AWS to implement computer vision.

Internship at X-Ray Crystallography Laboratory, USM (Mar 2023 – Sept 2023) • Synthesized and analyzed 9-acetylanthracene ketone-based chalcones with UV-Vis, dyesensitized solar cell (DSSC), non-linear optic (NLO), etc.

• Prepare TiO₂ on glasses to run cyclic voltammetry after attaching the chalcone.

• Performed characterization using FE-SEM, UV-Vis, solar cell simulator, Z-scan, etc.

Contact Me

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GitHub

Referral is provided in
resume

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