

Sulaiha Subi

DATA SCIENTIST

ssulaihasubi@gmail.com | (+60) 10-9418598 | [linkedin.com/in/sulaihasubi](https://www.linkedin.com/in/sulaihasubi) | github.com/sulaihasubi | sulaihasubi.github.io

CAREER OBJECTIVE

Strong analytical thinker with problem-solving and presentation skills. Seeking to leverage on model development experience and strong understanding in predictive modeling, and computer vision with a solid computer science background and understanding of machine learning & data science will be utilized. Bringing hands-on experience, excellent collaboration and communication skills, as well as programming skills.

PROFESSIONAL EXPERIENCES

RiseHill Data Analysis

Kuala Lumpur, MY

Data Scientist

Jun 2021 – Present

- Ensure the data quality by performing data cleaning, normalization & enrichment
- Working on every aspect of Data Analytics and Predictive Modelling
- Develop data models and algorithms to apply to data sets
- Used Machine Learning algorithms & statistical techniques to produce solutions to the business problems
- Conduct research from which to develop prototypes and proof of concepts (POC)
- Built ML workflow & designated experiments to supply tailored reports to the manager, and potential clients
- Applied cutting-edge Computer Vision skills for POC in face recognition & counting for productivity measurements
- Built and test Machine Learning model in Dataiku DSS Platform to select the most appropriate ones for use on a project
- Develop new client relationships/potential collaboration
- Meet & present the company's product/services & highly responsible to prepare high business value commercial proposals across different domains of the industries (client-facing skills)
- **Achievement:** Utilize extensive knowledge in Data Science & Computer Vision such as developed predictive modeling, abilities to extract, clean, and prepare data for data science model ingestion and communicate those complex & technical outputs to the business peoples or industry experts

Omdena

New York, NY

Machine Learning Engineer (Part-Time)

Sep 2021 – Present

- One of the collaborators out of 47 AI Engineers from 18 Countries (8 weeks challenge)
- Build an automated plant health prediction model, using drone-derived multispectral and thermal data combined with weather and irrigation data
- Train a model to detect water stress, pest infestation, and man-made plant stress
- Tools: QGIS, DAGsHub, GoogleColab, DVC

PULSY Technology

Cyberjaya, MY

Associate Software Engineer

Apr 2021

- Monitor and maintain the current system of Novartis and CBRE such as debugging and keep eye on the functionality of the systems
- Monitor AWS Management Console of Novartis and CBRE to manage their resources and well functions
- Provide documentation for the design, development, integrations, and deployment of the web app

CURRICULUM VITAE

- Work with IoT Engineer to perform and design testing protocols/prototypes to ensure that the product is fully tested before the deployment
- Ensure that all enhancements, bug fixes, and tasks assigned are well documented
- Able to teach and presents the programming or back-end part to other team members to ensure they understand how the code works and functions at the back-end side
- Contributor to the team member to ensure the project requirements are met

Terra Weather (Apprenticeship)

Singapore, SG

Deep Learning Infrastructure Development

Sep 2020 – Jan 2021

- Part-time Apprenticeship
- Develop new TW Caffe layers enhance data processing pipeline
- Optimize the TW Caffe backend
- Develop new layers using C++ and Smojo
- Extend the Willow of Smojo-to-C compiler
- Integrating open-source framework, ZeroMQ to streaming real-time I/O using C++

Shopee

Cyberjaya, MY

Digital Marketer

Sep 2020 – Apr 2021

- Product Research & Product Sourcing
- Manage E-Commerce Store & Run Facebook campaigns for each product
- Analyze marketing data and reporting
- Manage supply chain

SkyMind

Kuala Lumpur, MY

Junior Deep Learning Engineer (Trainee)

Apr 2020 – Jun 2020

- Trained by SkyMind's experienced Deep Learning Engineer on how to effectively use Deep Learning tools to create Computer Vision Models for productions
- Understand the state of the art of advanced machine/deep learning concepts, theory, and applications Deep Learning model development from deploying deep learning to production
- Hands-on with a large data set, learn algorithms, build models, and verify them
- Improved (fine-tune) deep learning models
- Used advanced techniques and algorithms of Deep Learning for Computer Vision
- Knowledgeable in how to image processing, image classification, object detection to image segmentation, using the Deeplearning4j framework.
- Knowledge in machine/deep learning, optimization, probability theory, and statistical inference
- Powerfully used programming in Java using IntelliJ IDEA and Python
- **Achievement:** Utilize extensive knowledge in deep learning to complete a Computer Vision Project (Face Recognition) within two days (meet the project timelines)

Internship

Kuching, SWK

Department of Information System

Feb 2017 – July 2017

- Debugged Service-Learning System for Local Support
- Performs upgrades and maintenance to the Service-Learning System
- Information and data gathering to be inserted into the Service-Learning System
- Managed the database of SL System
- Develop a website for the promotional and latest information about SL Projects including contents writing & web designing
- Performed research about SL & communicated the research both internally & externally to the Service-Learning's Advisor

CURRICULUM VITAE

- Engaged in team collaborations to meet the goals for implementation of Service Learning
- **Achievement:** Utilize extensive knowledge in a programming language such as PHP, HTML, MySQL, MySQLi, CSS, & database management to complete the SL System & SL website within the time frame

PROJECTS & COMPETITIONS

Dataiku Frontrunner Awards (2021)

- Use Case Submitted: Using AI to combat the Rise in Corporate Fraud Malaysia
- The only use case submitted from APAC regions which are represented Malaysia
- More details about the use case can be read here: <https://community.dataiku.com/t5/Dataiku-Frontrunner-Awards/RiseHill-Data-Analysis-Using-AI-to-combat-the-Rise-in-Corporate/ta-p/18184>

Integrated Data Intelligence (IDI)

- Create & maintain: Cleaning & preprocessing text for oil and gas documents such as pdf, PowerPoint, .las, etc. with SpaCy
- Tokenization with SpaCy

Trained Machine Learning Models (Auto-ML) with Dataiku DSS

- Preprocessed 4993 online transaction records, performed feature engineering from past customer online transaction
- Trained Customer Transaction Fraud Detection Model, achieving 0.958 ROC AUC score
- Built Insurance Claim Fraud Detection from Kaggle Dataset
- Present those ML models to the industry experts, clearly communicate complex & technical information

Face Recognition and Counting for Productivity Measurement (POC)

- Built face recognition and count the number of people based on the number of individuals detected entering the designated region
- Calculate dwell time (duration) of each detected person for time spent in the designated region
- Built Face Recognition using OpenCV with overlay bounding box on each visible individual smoothly & continuously

EDUCATION

UNIVERSITY OF MALAYSIA SARAWAK

Bachelor of Computer Science with Honors (Information Systems)

Kuching, SWK

2019

LABUAN MATRICULATION COLLEGE

Biology, Chemistry, Computer Science

Labuan, FT

2014

CERTIFICATIONS

DEEP LEARNING IN COMPUTER VISION

CERTIFAI

SkyMind

30 April 2020 – 30 April 2022

TAEKWONDO BLACK BELT 1st DAN

UNIMAS Taekwondo Club

Taekwondo Malaysia (TM)

2018

CURRICULUM VITAE

SKILLS

Programming: Python, JSON, HTML, HTML5, CSS, PHP, MySQL, NoSQL, Java, C++, R, Java Script, Prolog, XML, LaTeX

NLP: Named Entity Recognition (NER), Text Pre-Processing using SpaCy

Computer Vision: Face Recognition, Video Analysis, Image Processing, Optical Character Recognition (OCR)

Tools: IntelliJ IDEA, Adobe Dreamweaver CC 2017, Microsoft Visual Studio, Tableau, Weka, Eclipse, Notepad++, Rapid Miner, TeXstudio, CUDA, Maven, Laravel, Firebase, Dataiku, PyCharm, Jupyter Notebook & VS Code

Others: AWS EC2, Dataiku, Tableau, SAS, DAGsHub, Data Version Control (DVC)

REFERENCES

Muhammad Zul Fadhli Bin Mohd Fauzi

Geoscientist, RiseHill Data Analysis

(+60)11 - 219 25248

muhammad.zul@rdagroups.com

Syahirah Eham

Admin & Account, RiseHill Data Analysis

(+60)17 - 3018485

syahirah.eham@rdagroups.com