

SAMUEL GOH JUN YU

Email : samuelgjy97@gmail.com

Mobile: 96982892

Github: <https://github.com/samuelgjy/>

EDUCATION

BSc (Hons) Applied Artificial Intelligence

Aug 2022 - Apr 2025 (Expected)

Singapore Institute of Technology

Diploma in Mechanical Engineering (Director Honour Roll AY19/20)

Apr 2017 - Mar 2020

Singapore Polytechnic

WORK EXPERIENCE

AMD - Product Development Engineer (Intern)

Jul 2024 - Present

- Developed an automated pipeline that summarizes testing data and generates performance reports, reducing processing time from hours to minutes
- Conducted data extraction and performed data cleaning to ensure accuracy, removing outliers and irrelevant data.

GAC Enterprise - Web Developer (Intern)

Apr 2023 - Sept 2023

- Orchestrated the conceptualization, design and implementation of an interactive website
- Utilised frontend/backend frameworks such as React, Bootstrap, Node and Flask for intuitive user interfaces and functionality

AB Sciex Pte Ltd - Product Quality Analyst (Intern)

Mar 2019 - Aug 2019

- Utilised advanced excel functionalities and implemented automation techniques using VBA
 - Utilising Tableau, Excel to generate visualisation tools to create insightful representations
 - Demonstrated strong communication skills by presenting findings to key stakeholders
-

RELEVANT PROJECTS

Multilingual Speech and Language Evaluation (NLP Project)

- Utilized NLTK, TensorFlow, and PyTorch for data preprocessing, model development and evaluation
- Implemented OpenAI's Whisper model for speech recognition and natural language processing, **achieving 95% accuracy** in transcription.

Smart Proctoring (Computer Vision Project)

- Implemented object detection using YOLO algorithm for real-time identification
- Utilized OpenCV for image processing and established IoT connectivity using MQTT protocol
- Employed PyTorch for fine-tuning models and enhancing accuracy in object recognition tasks

HDB Resale Price Predictor (Machine Learning Project)

- Conducted data preprocessing, feature extraction and exploratory data analysis to prepare dataset for modelling
- Implemented ML algorithms and various evaluation metrics to assess predictive models

Hotel Review Analysis (Python Project)

- Utilized XGBoost algorithm for sentiment analysis classification
 - Employed ML techniques to optimize hyperparameters and maximize model's accuracy
-

ADDITIONAL INFORMATION

Certificates: Google Professional ML Engineer, AI Singapore - Foundations In AI

Technical Skills: Java, C, Python, Ruby, NoSQL, SQL, Database Management & Design, Deep Learning, Google Cloud, MLOps, Google BigQuery, AutoML, Azure, Hadoop, Tensorflow, Data Analysis