ADRIAN LUYAPHAN

SENIOR APPLIED SCIENTIST, DATA AND AI

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MY LINKEDIN   www.linkedin.com/in/adrian-luyaphan

EDUCATION

JAN 2019 - OCT 2019
Executive Program in Algorithmic Trading - EPAT
QuantInsti Quantitative Learning Pve. Ltd.
- Develop live trading strategies using python and APIs
- Backtesting trading strategies on normal and volatile market
- Evaluation of strategy (Sharpe,Sortino,RAROC)
- Evaluation of portfolio metrics (Allocation, Concentration)
Graduated 2014
Bachelor of Engineering | Aerospace
Chulalongkorn University
Pathum Wan | Bangkok | Central Thailand

LANGUAGES

THAI - Native
ENGLISH - Business Professional

IT SKILLS

ESSENTIAL / GENERIC
SQL | Python | Ubuntu
MS Office | Solidworks | Photoshop
MICROSOFT CLOUD
Fabric | Copilot Studio | DataBricks | Cloud SQL
Azure Blob Storage | Azure Logic Apps
MACHINE LEARNING
- Machine Learning for Structured / Unstructured Data
- Deep Learning on Structured Data and Image Recognition

ACHIEVEMENTS

JUNE 2019
GRAB AIforSEA Competition
- Machine Learning Competition
- top 50 from 1200 global participants
https://github.com/polohot/grabsubmission

WORK EXPERIENCE

SEP 2021 - Present
Senior Applied Scientist, Data & AI
DKSH Performance Material | Global Digital Analytics   [East Bangkok | Central Thailand]
Operational Excellence with AI (AI Engineer)
- Internal Chatbot - Building and deployment of internal chatbot on MS team, using copilot studio and standard RAG from JSON and PDF
- Content Generation - Automation of product generation for frontend sales team using chatGPT API and python, reducing workload for sales team by 85%
- Website product semantic search - Create search API for frontend by understand the context instead of keyword
- Product Classification - Auto classification of product category and business line from PDF input, using chatGPT API and python
Data Mining for marketing support (Data Science)
- Customer classification by behaviour, Unsupervised Machine learning classification for customer grouping, Identify behavior of each group and forward to sales team for targeting.
- Increase demand planning efficiency, Time series prediction for demand planning, suggesting sales team to stock inventory by statistic and machine learning model, create safety stock model by material lead time.
Data Migration (Data Engineering)
- Leading Pipeline Migration of from legacy system to Microsoft Fabric Platform, Manage and mentor subordinate for efficient migration
- Managing Stakeholders and Business user for Microsoft Fabric
Design and develop data structure for Analytic (Data Architecture & Data Engineering)
- Managing ETL pipeline on Databricks using Spark and Python, creating custom table for business consumption
- Each project reduce time on data transformation for business user by 50%-80% compare to PBI
- ML Model development speed up by at least 50%-60%
Automation using python & Microsoft tool stack
- Demand planning (ANZ, CHINA, JAPAN, THAILAND, INDONESIA, VN)
  Automation of sales forecast from sales employee and auto consolidate to SQL, reduce manual work by 60%-80%
- Daily report generation follow business logic taking data from SAP, Salesforce,SQL, reduce manual work by 80%-100%

JUL 2020 - AUG 2021
Data Analyst
Bangkok Bank | Research and Analytic Division   [CBD Bangkok | Central Thailand]
Data Mining for campaign support using SAS software,
Data Validation test for Data ETL project using python and SQL

SEP 2019 - JUN 2020
Portfolio Management Officer
Bangkok Bank | International Banking Division   [CBD Bangkok | Central Thailand]
Data Service and Visualisation using Python and Excel, Develop Python script for Data Engineering process and Python application for Data Automation Project

DEC 2014 - SEP 2019
Flight Simulator Technician
PanAm International Flight Training Center   [ABAC Bangna | Samutprakarn | Central Thailand]
B737-800 and A320-200 simulator preflight and periodic inspection/maintenance. Realtime troubleshooting simulator issues with simulator manufacturers, Documentation and graphic design support.