

Sawit Trisirisatayawong

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Experience

Central Technology (Central Group)

Bangkok, Thailand

SOFTWARE ENGINEER (Go / PostgreSQL / YUGABYTE / DOCKER)

December 2019 - Present

A subsidiary company of Central Group aiming to bring a technological solution and innovation to the Group's retail business

- Initiated project to break current Magento e-commerce backend into separate proprietary micro-services
- Redesigned and implemented product information database and product query / creation REST API using PostgreSQL and Go

HBOT

Bangkok, Thailand

DATA SCIENTIST - ANALYTICS (PYTHON / FLASK / MONGODB / GCP / DOCKER)

June 2019 - November 2019

- Developed internal dashboard using Python, Flask, and MongoDB to provide easier access to platform status and usage statistics
- Analysed platform usage and interaction trends to determine new revenue opportunities, increasing monthly revenue by 20%
- Designed and developed chatbots for some of Thailand's largest corporations including Stock Exchange of Thailand and Facebook (Thailand)

Kasikornbank

Bangkok, Thailand

DIGITAL TRANSFORMATION INTERN

June 2018 - July 2018

- Lead engineering team in design and prototype development of an automated travel planning mobile application.
- Collaborated with other team members to develop business and revenue model, along with calculating Total Addressable Market for product.

Education

University of Michigan

BACHELOR OF SCIENCE (BSC.) IN COMPUTER SCIENCE

Sep. 2015 - May 2019

Activities and Societies: Thai Student Association (President), Asia Business Conference (Associate Director - Finance)

Projects

Elastic Notes Search (Go, React, ElasticSearch, Docker)

2020

WEB APPLICATION

- A web application to search through my public notes on various topics, indexed using ElasticSearch

Rapper Lyrics Matching Model (Python, scikit-learn, spaCy, NLTK)

2019

MACHINE LEARNING MODEL / WEB APPLICATION

- Built text classification program that uses Decision Trees, Multinomial Naive Bayes, and Vector Space Model to model rap lyrics
- Allows site visitors to enter lyrics or text and output artist with closest matching lyrics features
- Co-authored paper examining the effectiveness of various classification models in matching rap lyrics to the correct artists.

CubeSat Engineering Model (Arduino)

2014

AS PART OF DR.TIPPAWAN WANWIWAKE'S RESEARCH AT GISTDA

- Assisted in programming and assembly of Arduino-based CubeSat satellite engineering model, enabling faster testing and iteration.
- Compiled literature review of CubeSat platform, examining practicality of platform adoption in Thailand to help with natural disaster tracking and management following 2011 flood.

Skills

Programming Languages	Python (pandas, scikit-learn), Go, SQL (MySQL, PostgreSQL), C/C++, HTML, CSS
Platforms/Services	ElasticSearch, MongoDB, Docker, AWS (EC2), GCP (Compute Engine)
Tools	Tableau, Microsoft PowerBI, Microsoft Excel
Others	Agile Delivery (Professional Scrum Master I), Inbound Marketing, Google Analytics
Languages	Thai (native), English (fluent)

Additional

- Contributing writer for Hackernoon, writing about software/web development
- 18 years of classical training in piano and violin with Grade 8 with Merit in Trinity Guildhall's Piano Examination
- PADI-Certified Open Water Diver