

Yoskorn Lertratanakham

Computer science graduate with a passion for software development and data, experienced in data engineering internships and hands-on with various software development projects.

yoskorn.ler@gmail.com | Tel. [REDACTED] | Chiang Rai, Thailand | yoskorn.site

EDUCATION

Bachelor of Computer Science | 2018 – 2022 | Thammasat university

Minor in Data Science | GPAX: 3.83 | First-class honors.

Language Skills: Thai (Native), English (Working Proficiency Plus)

English Proficiency: TOEIC Score 835

TECHNICAL SKILL

Programming language: Python, JavaScript, SQL,

Frameworks and tools: React.js, Next.js, MongoDB, MySQL, Apache Airflow, Pandas, Keras, Docker, Linux Command, Shell Script, AWS (EC2, S3), GCP (Cloud Composer, BigQuery), Git/GitHub

EXPERIENCE

Freelance Developer

January 2023 – May 2023

- Developed a system using computer vision and Deep Neural Networks to classify infected silkworms, along with a user-friendly web interface using Python.
- Trained Deep Neural Network models to identify infections based on movement, enhancing detection accuracy for improved sericulture management.

Software Developer Intern | Geneus Genetics CO., LTD

March 2022 – June 2022

- Developed ELT processes using Python and Apache Spark to efficiently extract, transform, and load data from raw text files into AWS Cloud storage.
- Developed API applications utilizing Flask and REST API to query processed data, containerized, and deployed on AWS.

PROJECT

Thai stock market price prediction model using sentiment analysis from textual data.

Machine Learning, Data Integration, Data Cleansing, ETL

- Developed a hybrid prediction framework combining Principal Component Analysis (PCA), Empirical Mode Decomposition, and Long Short-term Memory (LSTM) to forecast stock market closing prices.
- Published in a Q2-ranked international journal.

Social Media Website: ThaiEggHead

Web Application Development

- Collaborated with a team to develop a web application serving as a social media website, utilizing the MERN Stack.
- Contributed to UI/UX design and front-end development.

Portfolio Website: yoskorn.site

Web Application Development

- Developed a portfolio website using Next.js with Tailwind CSS.

CERTIFICATE / COURSE CERTIFICATE

- ETL and Data Pipelines with Shell, Airflow and Kafka
- Python for Data Science, AI & Development
- Hands-on Linux Commands and Shell Scripting
- Introduction to Data Engineering

PUBLICATION

Srijiranon, K., **Lertratanakham, Y.**, & Tanantong, T. (2022). A Hybrid Framework using PCA, EMD and LSTM Methods for Stock Market Price Prediction with Sentiment Analysis. *Applied Sciences*, 12(21), 10823. <https://doi.org/10.3390/app122110823>

Lertratanakham, Y., Wongsorn, A., Meewongaukote, P. (2021). Northern Thai Food Recommendation System for Travelers. *The 9th ASEAN Undergraduate Conference in Computing (AUCC)*, pp. 782-789

SOFTWARE CONTEST / COMPETITION

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| 2022 | Thailand Machine Learning for Chemistry Competition <ul style="list-style-type: none">• Achieved 10th place in a competition with 76 participating teams• Collaborated to create a machine learning model for predicting properties of Metal Organic Frameworks |
| 2021, 2020 | Thailand National Software Contest 2021, 2020 <ul style="list-style-type: none">• Entered the northern region round |
| 2020 | APAC HPC-AI Competition <ul style="list-style-type: none">• Achieved 7th place in a competition with 31 participating teams• Collaborated to optimize a high-performance computer for efficient execution of Nanoscale Molecular Dynamics simulations |
| 2019 | ModDang Bootcamp 2019 Real-World Data Science Challenges <ul style="list-style-type: none">• Entered the semi-final round• Collaborated to present the “Social Mind” application, assisting customers in making purchasing decisions |
| 2019, 2018 | The ICPC Asia Bangkok Programming Contest, at Chulalongkorn University |

LEADERSHIP, MEMBERSHIP, VOLUNTEER

- Vice President, Student Committee of Faculty of Science and Technology, Thammasat University
- Head of IT Department, Student Council, Damrongratsongkroh School