Peeranath Theerawatanachai
Computer Engineering (Undergraduated)

Objective: To take an important role in the company as a computer engineer by making a significant contribution in multiple disciplines, develop Machine Learning, analyzing data to improve products and technologies that satisfy customer needs.

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Class Project and Research

Chulalongkorn University | Data Science Subject | January 2022 - May 2022

PM 2.5 Project

- Scraped additional data (wind, temperature) using Selenium
- Preprocessed data and created time series machine learning models (SARIMAX) to forecast the next timestep PM 2.5
- Visualized PM2.5 trend using PowerBI and Python

Chulalongkorn University | Intro to Digital Imaging Subject | August 2021 - December 2021

Weather Forecast Project

- Preprocessed sky images using normalization and cloud masking techniques
- Used K-mean clustering algorithm with features extracted from these images to forecast the weather condition

Chulalongkorn University | Individual Study III Subject | August 2021 - December 2021

Chest X-ray Project

- Created Convolutional Neural Networks (CNN) models to predict Tuberculosis from chest X-ray images

Chulalongkorn University | Individual Study I Subject | August 2020 - December 2020

Parkinson's disease Project

- Created machine learning and deep learning models to predict Parkinson's disease an abnormal clock drawing from each person's information

Extracurricular Activities

Chulalongkorn University | October 2020 - April 2021

3rd place in Chula LegalTech Year 2 competition (E.L.C. Team)

- Joined "Chula LegalTech Year 2" competition made by the Faculty of Law, Chulalongkorn University about using technology along with law for something new
- Created a web application named "MIN MAI MIN" which uses a machine learning model to predict whether the word that you write into the message box is libel or not

Educational History

August 2019 - Present

Chulalongkorn University

- Studies in Computer Engineering (GPAX 3.89)

Skills Summary

- **Languages**:
  Thai (Native), English (Basic)
- **Computer Programming Language**:
  Python (Fluent), Java (Basic), C++ (Basic), JavaScript (Basic), SQL (Basic), Cypher (Basic)
- **Computer Skills**: Data Science, Machine learning, Pattern Recognition, Digital Image Processing
- **Computer Framework**: Codeblocks, Eclipse, Jupyter Notebook, Visual Studio Code, Google Collaboration, SQL Workbench, Node.js, Docker, Neo4j

Work Experience

SCB Abacus | Internship | June 2022 - July 2022

Mobile Network Project

- Queried features from the Neo4j database
- Created network graph for extracting mobile features
- Built machine learning models to detect fraud customers using extracted features

The Siam Cement Group (SCG) | Internship | June 2021 - August 2021

WEDO Young Talent Program

- Worked collaboratively with groups of interns
- Created a web application named "Puenrujai" that can detect user face emotions and respond with the appropriate words

Link to work experience reference:
https://github.com/Zeno-PT/Resume

Reference available upon request