Nuttapong La-ongtup

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Knowledge Base and Skills

- Data science, essential mathematical and statistical knowledge
- Technical specialties:
  - Machine Learning specialties: Computer Vision (Object Detection, Segmentation)
  - Data science specialties: Logistic Regression, Multiple Regression, Clustering
- Machine Learning Tools: Python, PyTorch, TensorFlow, MLFlow, Airflow, Scikit-learn, NumPy, Pandas, Matplotlib etc.
- Application Development and Deployment Tools: Django, FastAPI, Celery, Docker, AWS ECS-Fargate etc.

Work Experience

Machine Learning Engineer, Associate | May 2021 – present 2022 (1 months)
- Company: Pomelo Fashion, Bangkok, THAILAND
- Responsibility:
  - Deploy and maintain company's recommendation and personalization model

Machine Learning Engineer | May 2021 – April 2022 (1 years)
- Company: AI and Robotics Ventures (a subsidiary of PTTEP), Bangkok, THAILAND
- Department: ARV Software Core Technology
- Responsibility:
  - Research and develop various Machine Learning models
  - Develop company's AI Studio Platform
  - Deploy and maintain Machine Learning API services, perform MLOps for existing ML services
  - Support ARV's subsidiary companies with AI and Machine Learning solutions

Data Scientist | December 2017 – November 2020 (3 years)
- Company: UACJ R&D Center, Nagoya, Aichi, JAPAN
- Research Section: Advanced Production Technology Research Section
- Responsibility:
  - Research and Develop IoT-related Machine Learning Model
  - Develop a Python-based company's data analysis web application

Research Intern | April 2014 – May 2014 (2 months)
- Institute: Nara Institute of Science and Technology - Ikoma, Nara, JAPAN. University Internship Program Sponsored by Japan Student Services Organization (JASSO)
- Internship Subject: Computational Modeling of π-Conjugated Polymer

Educations

Master of Eng. (Materials Engineering, Computational Physics)
- Institute: The Graduate School, Kasetsart University
- Thesis: Atomistic Simulation of Structural Evolution at Long Time Scales: Diffusion in the FCC NiAl System

Bachelor of Eng. (Materials Engineering)
- Institute: Kasetsart University
- GPA: 3.57 with 1st Class Honors

Publications

- Effects of Re on Vacancy Mobility in a Ni-Re System: An Atomistic Study (2021) (see publication)
- 機械学習による溶解効率の高精度予測 (2020) (see publication)

Licenses & certifications

- IBM Data Science Methodology | IBM (see credential)
- Perform Foundational Data, ML, and AI Tasks in Google Cloud | Google (see credential)

Languages

- Thai: Native Tongue
- English: Business Level, TOEIC test score: 940 | September 2020 (see credential)
- Japanese: Basic Conversation Level, JLPT-N3 Certification | December 2019 (see credential)

Activities

- The Sixth Thailand Olympiad in Informatics – TOI 2010 (3rd Round Computer Olympic Camp)
- Presentation at the 21st International Annual Symposium on Computational Science and Engineering (ANSCSE 2017)