

# Nuttapong La-ongtup

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Web profile: <https://nlaongtup.github.io>

## Career Objective

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To pursue an interesting data science related work, which I could utilize my knowledge base, skills and experiences. Implementing a sustainable data-driven solution together with state-of-the-art technology, accomplish business challenges.

## Knowledge Base and Skills

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- Data Science, Essential Mathematical and Statistical knowledge
- Technical Specialties:
  - Machine Learning Specialties: Convolutional Neural Network (CNN), Long short-term memory networks (LSTM)
  - Statistical Modeling: Logistic Regression, Multiple Regression, Principal Component Analysis
  - Typical Classification and Regression Modeling, K-means clustering
  - High Performance Computing, Parallel and Distributed Computing
- Programming Languages: Python, SQL, C++, UNIX shell
- Machine Learning Tools: TensorFlow, Scikit-learn, Chainer, NumPy, SciPy, Pandas, Matplotlib, QlikView etc.
- Web Application Development Tools: Django, JavaScript library e.g. jQuery, Chart.js, Plot.ly etc.

## Work Experiences

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### Data Scientist | December 2017 – November 2020 (3 years)

- Institute: UACJ R&D Center, Nagoya, Aichi, JAPAN
- Research Section: Advanced Production Technology Research Section
- Job Description: Data Science / IoT-related Research and Development
- Responsibility:
  - Machine Learning Model Development
  - Business Intelligence (BI) System Development / Data Visualization
  - Web Application Development (Python-based Web Application)
- My Work Achievements:
  - Successfully developed a Python-based data analysis web application. The features of this web application include utilization of machine learning model for a prediction, visualization and optimization. The application featured interactive graphic user interface.

### 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  $\pi$ -Conjugated Polymer

## Educations

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### M.Eng. (Materials Engineering, Computational Physics) | 2016 – present

- Institute: The Graduate School, Kasetsart University
- Thesis: Atomistic Simulation of Structural Evolution at Long Time Scales: Diffusion in the FCC NiAl System

### B.Eng. (Materials Engineering) | 2012 – 2015

- Institute: Kasetsart University
- GPA: 3.57 with 1<sup>st</sup> Class Honors

## Licenses & certifications

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- IBM Data Science Methodology | April 2021 ([see credential](#))
- Perform Foundational Data, ML, and AI Tasks in Google Cloud | April 2021 ([see credential](#))
- End-to-End Machine Learning with TensorFlow on GCP | April 2021 ([see credential](#))

## Languages

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- 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

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