

# Pasin Sirirat

## Industrial Engineering Student - Final Year

I am always eager to learn something new and have ability of self-learning. I have technical skills of Data Analytics and Machine Learning and have interests in implementing my knowledge of Data Science in several fields.

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## EDUCATION

### Final year in Industrial Engineering

Faculty of Engineering, Chulalongkorn University

07/2016 – Present

Current GPAX is 3.73

#### Courses

- Machine Learning
- Statistics
- Operations Research
- Design of Experiment

## WORK EXPERIENCE

### Lead Junior Organising Committee

Chulalongkorn Alumni Mentorship Program (Engineering)

05/2019 – Present

ChAMP is the project to create a network among engineering students.

#### Achievements/Tasks

- Leading the squad of nine other engineering students, co-operating with senior OCs, distributing tasks, and acting as a connector between mentees, other OCs, and mentors.
- Being a part of the core team of the project, defining values of the program, then designing missions and activities aligning with the values.

### Data Analyst Intern

Bank of Thailand

06/2019 – 07/2019

#### Achievements/Tasks

- Performed time-series forecasting and machine learning algorithms in Python to forecast the export value, received the least error of 13%.
- Used YOLOv3, the deep learning algorithm in Python, for object detection project.

### Academic Director

Fundamental Engineering (FE) Camp

10/2016 – 05/2019

FE Camp is the PAT3 (Engineering Aptitude Test) tutorial camp for high-school students.

#### Achievements/Tasks

- Made tutorial book and PAT3 simulation test.
- Taught Physics and Mathematics, and was the third best tutor among all 22 tutors following the performances.
- Used R to test hypothesis from students' simulation test scores.

### Guest Speaker

Larngear Camp

07/2017 – 01/2019

Larngear Camp is the guidance camp for high-school pre-engineering students.

#### Achievements/Tasks

- Created a program using MS Visual Studio which simulated prices to explain the price mechanism.
- Gave advices to students who interested in the Industrial Engineering.

## SKILLS

Python

R

SQL

Machine Learning

Deep Learning

Microsoft Offices

Tableau

Time Series

Hypothesis Testing

Regression Analysis

## PROJECTS

DengAI Competition by DrivenData  
(07/2019 – Present)

- The time-series forecasting problem of Dengue occurrences prediction using temperature features.
- Currently ranked in top 1100.

Kaggle House Price Competition  
(05/2019 – Present)

- The house price regression problem using several houses and demographical factors.
- Currently ranked in top 1600.

## CERTIFICATES

Received an honourable mention in the  
11th Thailand Chemistry Olympiad  
Competitor (2015)

*Selected by King Mongkut's University of Technology  
North Bangkok to compete in 11th Thailand Chemistry  
Olympiad at Kasetsart University.*

Received 3rd place in the Mathematics  
team competition at Princess Sirindhorn's  
College (2016)

*Princess Sirindhorn's College*

## LANGUAGES

English (with TOEIC Score of 920)



## INTERESTS AND HOBBIES

Data Science

Music

Stock Trading

Languages