

# Worapol Boontanonda

STUDENT · DATA ENGINEER

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## Education

### MUIC(Mahidol University International College)

B.S. IN COMPUTER SCIENCE

- Currently a 4th Year Student graduating in August 2018

Salaya, Thailand

Sept. 2014 - Aug. 2018

## Skills

<b>Programming</b>	Python, Javascript (NodeJS/ES5/ES6), C/C++/Cilk, Scala/Akka, JAVA, C#
<b>Web Programming</b>	Express, React/VueJS/JQuery, HTML5, Ruby on Rails, Flask, Spring, CSS
<b>Mobile/Game/Desktop Programming</b>	React-native, Android (Java), Unity, WPF
<b>Cloud/Deployment Tools</b>	Docker, Kubernetes, Docker Machine/Swarm, AWS(EC2, S3, ECR), DigitalOcean
<b>Languages</b>	Thai, English, Chinese(very little)

## Experience

### Thailand Ministry of Health / MUIC (Mahidol University International College)

BACKEND DEVELOPER

- Create and manage the docker deployment of the web application
- Create basic authentication login, manage user, assign permission, system to upload lab data to the system (surveys) this is to be implemented as a RESTful microservice

Salaya, Thailand

Aug. 2016 - Aug. 2017

### Mahidol University

GAME DEVELOPER

- Fuekfon game is a unity base game. Design for disabled people especially for people that receive a stroke and lose the ability to move, it is design to be a new kind of rehabilitation program
- Maintain Fuekfon game this include debugging and adding more feature
- Add more feature to the game such as adding a timer to all of the game
- Refactor some of the code to support highscore system for each user

Salaya, Thailand

Jan. 2017 - Dec. 2017

### MUIC (Mahidol University International College)/ TTET (Toyota Tsusho Electronics Thailand)

BACKEND DEVELOPER / DEV OPS

- Help write a window segmenter to slice data for data analysis
- Write deployment scripts for docker-machine to create aws ec2 instances
- Deploy and support data science team in running their program on the ec2 instances this include creating a Dockerfile for the data science code

Salaya/Chitlom Bangkok

May 2017 - July 2017

### TTET (Toyota Tsusho Electronics Thailand)

DATA ENGINEER / RESEARCHER/ INTERNSHIP

- Benchmark the performance of big table in this case Hbase using geomesa on traffic data vs PostGis
- Attempt to concurrently read and filter GIS data on PostGIS using scala and compare it against Geomesa
- Make conclusion on the finding on Geomesa and PostGIS performance on TTET traffic data

Chitlom, Thailand

Aug. 2017 - Sep. 2017

### MUIC (Mahidol University International College) / NEXTY (Toyota Tsusho Nexty Electronics Thailand)

DATA ENGINEER / DEV OPS / BACKEND DEVELOPER

- Write a library to launch jobs/tasks on kubernetes programatically
- Write a data pumper which pump information from rds into kafka
- Write a python connector that connect to kafka and pull information to serve the client
- Deploy web application of the system on docker machine
- Write a live stream pumper which pump data from kinesis into kafka
- Performance optimization in pumping and consuming data in kafka

Salaya/Chitlom, Thailand

Jan. 2018 - May. 2018

## Extracurricular Activity

### MUIC Programming Club

VICE PRESIDENT

- Help manage club activities and attempt to teach or influence junior and general people about the usefulness of programming

Salaya, Thailand

Aug. 2016 - Aug. 2017

## Honors & Awards

DOMESTIC

2016 Honorable Mention Prize, Thailand IT Contest Festival

Bangkok, Thailand