

## Thanaphat Jiamcharoendet

17 Sukhumvit 71 rd. • Watthana, Bangkok, Thailand 10110 • thanaphat.ji@outlook.co.th • (+66)90 917-7506

[www.linkedin.com/in/thanaphat-jiamcharoendet](http://www.linkedin.com/in/thanaphat-jiamcharoendet)

### Education

#### **KING MONGKUT'S INSTITUTE OF TECHNOLOGY LADKRABANG**

Bangkok, Thailand

2018 - 2021

- Bachelor of Engineering (B.Eng.), Major in Robotics and AI
- **Accumulate GPA:** 3.78/4.00
- **Relevant Coursework:** Robotics Software Development, Entrepreneurship, Programming Language (C, Python, HTML5/CSS3, JavaScript)

#### **TRIAM UDOM SUKSA SCHOOL**

Bangkok, Thailand

2015 - 2017

- High School Diploma, Science and Mathematics

### Certificates & Achievements

- **1<sup>st</sup> prize for Smart City Week Bangkok (2020)** granted by UN (United Nations), Depa Thailand, KRIS, Four Regions Slum Network.
  - Problem case: The people in the slum or undeveloped areas face a situation that they could not have access to information in civil rights and privilege from the government.
  - Solution: We have innovated the Kiosk for helping the people in slum to access their human rights from government, finding jobs, and report the problem in their society. From our discussion with the locals, they are fighting against a lot of injustice, and so we hope to help make sure their voice is heard. Every voice matters.
- **Win the prize - AWS DeepRacer October 2020 World League Championship ( RANK 17/1381)**
  - Autonomous Formula 1 Racing using Reinforcement Learning in virtual environment.
- **Qualified in final round of Finding the professional in AI Competition – Conducted by Foundation of Science and Technology Council of Thailand 2020**
  - Develop the AI chatbot project with Line Platform by using Dialogflow and Line
- **Nachi Articulated Robot Control Certified** – Nachi Robotic Systems Inc. – Issued May 2019 (No expire)
- **Qualified in Final round - iRobot Thailand Competition 2018 - The Next Chapter of Smart Living**
  - Design an algorithm for autonomous robot vacuum searching the best path to clean the room.

### Extracurricular Experience

#### **King Mongkut's Institute of Technology Ladkrabang**

(Bangkok, Thailand)

Jun 2020 – Present

- Develop the platform for non-programable users to control mobile robot and articulated robot with image processing, which my main responsibilities were on developing the mobile robot module. It aims to control and program the mobile robot remotely and generate the map with auto guiding function to move to the specific point in a real-world environment. We work on scrum and agile process. Collaborate with Dr. Poom Konghuayrob and 3 robotics students as a team.
- **Relevant technology:** ROS, Linux, JavaScript, HTML5/CSS3, Python
- **Responsibility:** co-Developer, ROS Developer, Web Developer, Presentation
- **Link:** [Phase\[1\]](#) , [Phase\[2\]](#) , [Phase\[3\]](#) , [Phase\[4\]](#)

#### **King Mongkut's Institute of Technology Ladkrabang**

(Bangkok, Thailand)

Nov 2019 – Present

- Teaching robot operating system, programming, and 3D drawing for Engineering and Non-degree students at KMITL.
- **Relevant technology:** ROS, Linux, Python, Autodesk fusion 360, 3D CAD Design
- **Responsibility:** Teaching Assistant

#### **Yarnapund Public Company Limited**

(Bangkok, Thailand)

Dec 2018 – May 2020

- PLC for controlling The Inspection Station.
- **Relevant technology:** PLC programming
- **Responsibility:** Develop and Implement the Inspection Station to check the quality of products

## **Volunteer Experience**

### **United Nations (UN)**

Youth representative of United nations in UN75 Special Exhibit 2020 at Central World, Bangkok, Thailand.

- Big interest in supporting housing and accessibility for Thai people
- Link : <https://www.youtube.com/watch?v=dvte1XuAmF8&t=17s>

### **Four Regions Slum Network**

- Hack for slum people by corporate with Four Regions Slum Network.
- I am supporting and helping to develop the technology solution for slum, aiming to improve the poverty of Thai.

## **Skills & Interests**

**Technical:** Reinforcement Learning, Machine Learning, OpenCV, Image Processing, Python, HTML5/CSS3, JavaScript, ROS, C, Team management

**Language:** Thai (Native), English (Professional working proficiency)

**Interests:** Artificial neural network, Entrepreneurship, Startup

# ( Unofficial Transcript )

*Faculty of* Engineering

Photo

**Name** Mr.Thanaphat Jiamcharoendet

**Date of Birth** May 25, 1999

**Student ID** 61011452

**Date of Admission** 2018

**Date of Graduation** N/A

**Degree** Bachelor of Engineering

**Major** Robotics and AI Engineering

COURSE TITLE		CREDIT	GRADE	COURSE TITLE		CREDIT	GRADE
<b><u>1st Semester, Year, 2018-2019</u></b>							
01006502	PROFESSIONAL ETHICS	3	A				
01006702	PHYSICS 1	4	A				
01006710	INTRODUCTION TO CALCULUS	3	A				
01006801	INTRODUCTION TO ENGINEERING PROGRAMMING	3	A				
01416000	ACADEMIC LISTENING AND SPEAKING	3	B				
01416303	INTRODUCTION TO ROBOTICS	3	A				
GPS : 3.84 GPA : 3.84							
<b><u>2nd Semester, Year, 2018-2019</u></b>							
01006711	ADVANCED CALCULUS	3	A				
01006803	ENGINEERING MECHANICS	3	B+				
01416001	ACADEMIC READING AND WRITING	3	B				
01416200	PHYSICS FOR RAI LIFE (PHYSIC 2)	4	A				
01416309	ENGINEERING 3D DRAWING	3	A				
GPS : 3.71 GPA : 3.78							
<b><u>1st Semester, Year, 2019-2020</u></b>							
01006511	THAI SOCIETY AND CULTURE	3	A				
01006514	INNOVATIVE COMMUNICATION	4	B				
01416003	INTERPRETATION AND ARGUMENTS	3	B				
01416301	DIFFERENTIAL EQUATIONS AND MATRIX ALGEBRA	3	A				
01416304	FEEDBACK CONTROL	3	A				
01416312	ELECTRIC CIRCUIT AND ELECTRONICS	3	A				
01416514	ROBOTICS LABORATORY 1	1	A				
01416515	ROBOTICS LABORATORY 2	1	A				
GPS : 3.66 GPA : 3.74							
<b><u>2nd Semester, Year, 2019-2020</u></b>							
01006520	LEADERSHIP AND PERSONAL DEVELOPMENT	3	S				
01416302	MANUFACTURING PROCESS	3	A				
01416306	SAFETY AND STANDARDIZATION IN RAI	3	A				
01416308	KINEMATICS AND DYNAMICS	3	S				
01416500	COMPUTER VISIONS	3	A				
01416516	ROBOTICS LABORATORY 3	1	A				
01416606	MICROPROCESSOR AND INTERFACE	3	A				
GPS : 4.00 GPA : 3.78							
<b><u>1st Semester, Year, 2020-2021</u></b>							
01006804	ENGINEERING MATERIALS	3	X				
01416202	PROBABILITY AND STATISTICS FOR RAI	3	X				
01416305	ARTIFICIAL INTELLIGENCE TECHNOLOGY	3	X				
01416504	MACHINE LEARNING IN PRACTICE	3	X				
01416511	MOBILE ROBOTS	3	X				
01416613	FUNDAMENTALS OF AR, VR AND MIXED REALITY	3	X				
GPS : - GPA : 3.78							
Total number of credit earned: 75							
Cumulative GPA: 3.78							
----- Transcript Closed -----							
Checked by _____							
(Xx XXXXXXXX XXXXXXXXXXXX)							

**Date Issued:** November 05, 2020

**This document is unofficial transcript.**