Warissara Chawalitsoonthorn

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Education

KING MONGKUT'S INSTITUTE OF TECHNOLOGY LADKRABANG   Bangkok, Thailand
- Bachelor of Engineering (B.Eng.), Major in Robotics and AI   2018 - 2021
- **Accumulate GPA:** 3.84/4.00
- **Relevant Coursework**: Robotics Software Development, Entrepreneurship, Programming Language
  (C, Python, HTML5/CSS3, JavaScript)

SAINT JOSEPH CONVENT SCHOOL   Bangkok, Thailand
- **Overall GPA**: 3.80/4.00   2015 - 2017
- High School Diploma, Science and Mathematics
- Student Council, Chess Club, Public Speaking Club

Certificates & Achievements

- **1st prize for Smart City Week Bangkok (2020)** granted by UN (United Nations), Depa, KRIS, Four Regions Slum Network.
  - Our problem case is about the people in slum do not receive the equality in accessing civil rights and privilege from the government.
  - We innovated the Kiosk for helping slums to access their right from government, finding jobs, and report the problem in their society. We have discussed with people there and they have to fight a lot with injustice so that we will make their voice out loud. Every sound is matter.
- **Win the prize from AWS (Amazon Web Services) Deep Racer Competition (August – September 2020)** – Reinforcement Learning with mobile robot in virtual simulation.
- **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
- **Qualified in 1st round Super AI Engineer Thailand (September 2020) –** Competition in order to find the AI Specialist conducted by AIAT.
  - Develop Reinforcement Learning to find the shortest path to the goal (A* Search Algorithm)
- **Finalist of the Falling Walls Lab Thailand 2019** – conducted by DAAD German Academic Exchange Service
- **1st prize Delta's Cup Competition Thailand 2019** – Delta Electronics PCL.
  3rd prize Delta's Cup Competition – Delta Electronics PCL. Jiangsu, China.
  – Design and develop the Augmented Reality(AR) project for industry solving the 4.0 industrial problem using Industrial Internet of Things(IIoT) – functions to observe and monitor the robot or machine.
- **Nachi Articulated Robot Control Certified** – Nachi Robotic Systems Inc. – Issued May 2019 (No expire)
- **1st prize for the Best Innovative Technology for Elder and Disability** (Feb 2019) – National Science and Technology Development Agency (Bangkok, Thailand)
  – Design idea of improving life at nursing home in Thailand – Design a watch with AI technology for real-time detect and warn during the falling or abnormal heartrate of patient.
- **International Seminar on Technology for sustainability 2018** – The Hackathon competition organized by KRIS, Amazon Web Services, Krungthai Bank, PTT Digital Solutions. (Pattaya, Thailand)
  1st prize for the Best Amazon Web Services Project (2018) granted by Amazon Web Services (Singapore)
  1st prize for the Best Sustainability Award (2018) granted by Kumamoto National Institute of Technology (Japan)
  - Innovate idea to help people and society recover after the disaster and catastrophe – Donation Platform
  - Working on Amazon platform, encourage people to donate more, get more discount to shop at Amazon.

Extracurricular Experience

King Mongkut's Institute of Technology Ladkrabang   (Bangkok, Thailand)   Jun 2020 – Present
- Collaborate with Dr. Poom Konghuayrob and 3 robotics students as a team. To develop the online platform for non-programable users, which I mainly focus on developing the mobile robot module. It aims to control and program the 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.

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

Accenture Solutions Co., Ltd   Bangkok, Thailand
Deployment Consultant Intern   Jun 2020 – Aug 2020
- Deployment process and making a testing plan for tester to check the performance of product.
- Plan the testing scenario for User Acceptance Test(UAT) and Performance Verification Test(PVT)
- **Relevant technology**: Microsoft Excel, Banking Industry
- **Responsibility**: Intern, Planning, Communicate with client, Documentation

Highly effective in idea inventing and problem solving in Computing, Robotics and Web design (2018-Present)
- **Line tracking robot –** Build up the line tracking robot to compete in Robot Competition KMITL 2018
  Related technology: C, Arduino, Hardware
- **Color tracking robot** – Develop the robot with Raspberry Pi Camera V2 and use the Image Processing to detect the color. **Related technology:** ROS, Python, Computer Vision
- **Line chatbot platform –** Develop the chat box on website and connect to Line platform using Google Dialogflow. **Related technology:** Django, Python, JavaScript, HTML5, CSS3
- **Smart Farming IoT project –** Auto control light, water, and humidity in a close environment and connect with smart devices for remote control and observation.
- **Delivery mobile robot –** Mobile robot which can deliver goods from place to place and have interaction with human collaborate with 13 robotic students. I worked on designing the user interface and build on Jetson Nano. And connect with Face recognition library, Dialogflow, and gTTS(Google Text-To-Speech). **Related technology:** Kivy, Python

Leadership and Activities

Startup Project (VONIQ)   Bangkok, Thailand
Founder – Team Lead   May 2020 - Present
- Funded by NIA (National Innovation Agency Thailand)
- Pre employment platform for interview, test, and offer the job for applicant. Using data analysis to classify the personality of candidates and match the need for both HR and individual.
- Site: www.voniq.co

Wizard Library   Bangkok, Thailand
Co-Founder – Team Lead   May 2020 – Present
- Educational platform and media, Wizard Library, aims to share business and scientific knowledge to all people.
- Team: 4 people (Chief Executive Officer, Developer, UX/UI Designer, Project Manager)
- Facebook : Wizard Library

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: Python, C, HTML5/CSS3, JavaScript, ROS, OpenCV, Image Processing, Team management
Language: Thai(Native), English(Professional working proficiency)
Interests: YouTube, Entrepreneurship, Startup, Content Creator, Boardgames, TV-Series

(Unofficial Transcript)

Faculty of Engineering

Photo

Name   MissWarissara Chawalitsoonthorn

Date of Birth   February 18, 1999

Date of Admission   2018

Degree   Bachelor of Engineering

Major   Robotics and AI Engineering

Student ID   61010946

Date of Graduation   N/A

COURSE TITLE	CREDIT	GRADE	COURSE TITLE	CREDIT	GRADE
Transfer Credit					
01416000 ACADEMIC LISTENING AND SPEAKING	3	A			
01416001 ACADEMIC READING AND WRITING	3	A			
GPA : 4.00					
1st Semester, Year, 2018-2019					
01006502 PROFESSIONAL ETHICS	3	A			
01006702 PHYSICS 1	4	B			
01006710 INTRODUCTION TO CALCULUS	3	A			
01006801 INTRODUCTION TO ENGINEERING PROGRAMMING	3	B+			
01416303 INTRODUCTION TO ROBOTICS	3	A			
GPS : 3.65 GPA : 3.75					
2nd Semester, Year, 2018-2019					
01006711 ADVANCED CALCULUS	3	A			
01006803 ENGINEERING MECHANICS	3	B+			
01416200 PHYSICS FOR RAI LIFE (PHYSIC 2)	4	A			
01416309 ENGINEERING 3D DRAWING	3	A			
GPS : 3.88 GPA : 3.80					
1st Semester, Year, 2019-2020					
01006511 THAI SOCIETY AND CULTURE	3	A			
01006514 INNOVATIVE COMMUNICATION	4	B+			
01416003 INTERPRETATION AND ARGUMENTS	3	A			
01416301 DIFFERENTIAL EQUATIONS AND MATRIX ALGEBRA	3	B+			
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 : 3.83 GPA : 3.81					
2nd Semester, Year, 2019-2020					
01006520 LEADERSHIP AND PERSONAL DEVELOPMENT	3	A			
01416302 MANUFACTURING PROCESS	3	A			
01416306 SAFETY AND STANDARDIZATION IN RAI	3	S			
01416308 KINEMATICS AND DYNAMICS	3	A			
01416500 COMPUTER VISIONS	3	S			
01416516 ROBOTICS LABORATORY 3	1	A			
01416606 MICROPROCESSOR AND INTERFACE	3	A			
GPS : 4.00 GPA : 3.84					
1st Semester, Year, 2020-2021					
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 : 3.84					
Total number of credit earned: 75					
Cumulative GPA: 3.84					

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Date Issued: November 05, 2020   **This document is unofficial transcript.**