

# Pichyapa Khanapattanawong

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## Profile

A passionate, hardworking, and goal-driven computer engineering student with outstanding academic records, scholarships, and work experiences. Always aiming for the moonshot, setting ambitious goals, and participate in opportunities actively. Determined to create and innovate sustainable solutions for the global society. Interested in new advancement and discoveries, especially in Quantum Computing, Machine Learning, Artificial Intelligence, and Neural Network

## Education

### King Mongkut's University of Technology Thonburi, Thailand

2021 - 2025

- Bachelor's of Computer Engineering (International Program)

GPAX: 3.93

Relevant Courses: Physics, Mathematics Data Models, Computer Programming

### Lakehead University, Ontario, Canada

Sep 2022 - Dec 2022

- Bachelor's of Software Engineering, 2/2002 Semester Exchange

GPAX: A+

Relevant Courses: Linear Algebra, Software Engineering, Computer Logic Circuits

### Khema Siri Memorial School, Thailand

2018 - 2021

- High School in Science and Mathematic Program

GPAX: 3.99

## Academic Achievements

### Petchra Pra Jom Klao Scholarship, Outstanding in Academics

2021 - 2025

- 4-Years Full Bachelor's Degree Scholarship

### TOEIC Exam, 990 (Full Score)

Sep 2023

### International Research Meeting, Twinkle Program Full Scholarship Recipient

July 2023

- Educational and academics exchange at Chiba University, Japan
- Presented in international research meeting on the topic of sentimental analysis.

### SEED Scholarship Recipient

Sep 2022 - Dec 2022

- A Semester exchange at Lakehead University, Canada

### Introduction to Quantum, Online Seminar

Nov 2021

- Seminar by Quantum Computing and Information Research Centre, KMUTT

### Physics Honors Student

2021 - 2022

- 1 of 20 selected students to study in the honored physics class

Physics GPA: A

Relevant Content: Quantum Physics and its application

### Conduct Tutoring Sessions

2021 - Present

- Tutor in computer engineering freshmen camp in Python Programming course
- Tutor general computer engineering course, such as Physics and Calculus

### Middle - High School Academics Certificates

2018 - 2021

- Highest score in English, Year 7 - 10, 12
- Highest score in Mathematics, Year 10 - 11
- Highest score in Applied Science (Physics, Chemistry, Biology, Computer), Year 11

### O-NET (Ordinary National Education Test)

2015, 2018

- Full score on O-NET English exam, Year 6 and Year 9

## Publications

### Sentimental Analysis

- Summer Institute of Asia & ASEAN Center for Educational Research, Chiba University

See [Proceedings](#),  
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### NEON: Generative AI for slides and presentations

- Summer Institute of Asia & ASEAN Center for Educational Research, Chiba University

See [Proceedings](#),  
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## Work Experience

### Full-stack Developer, Mercil (Tailor-made Software Solution)

- Website front-end and back-end developer
- Develop features-rich platform tailor-made to customer's needs

Aug 2023 - Present  
Website Programming

### Teacher Assistant, KMUTT

- Teacher Assistant for UX/UI Design Courses, 90+ Students

Jun 2023 - Present  
UX/UI Design, Communication

### Full-stack Developer Intern, Mercil (Tailor-made Software Solution)

- Website front-end and back-end developer

Jun 2023 - Jul 2023  
Website Programming

### UI Engineer, Brikl (Set up online stores and live catalogs in 15 minutes)

- Website front-end developer
- Create design consistency across the website and platform

Jan 2022 - Jan 2023  
Website Programming

### Junior Developer Advocate, Brikl

- Event organizer and junior developer
- Improve internal developer experiences and drive developer communities

Mar 2021 - Jan 2022  
Website Programming

## Projects & Awards

### Comfy, Ergonomic IoT Cushion for Office Syndrome Treatment

- 1 of 35 (from 800+ university students across Thailand) to receive scholarship in *Experiential Learning Program 2023 to go abroad* at International Incubator Nanyang Polytechnic, Singapore
- 1 of 2 startups chosen to receive funding from Science and Industrial Park, KMUTT
- Received funding from Hatch Incubation, KMUTT

Sep 2022 - Present  
IoT, Innovation,  
Project Management

### Bangkok Youth of the Year Award

- 1 of 3 teams selected to receive Bangkok Youth of the Year, Innovation award from Bangkok Youth Center (Thai - Japanese)

Aug 2023  
Innovation

### Microsoft AI for Accessibility Hackathon 2023

- Develop NEON, generative AI for presentation and slides (Prototype)
- Awarded the first place of Thailand

May 2023  
AI System Design

### Teaching Feedback Data Analytics and Sentimental Analysis

- Using Python: Pandas, Matplotlib, Vader

[Notebook](#)

### Research-to-Market Competition

- Organized by Science and Industrial Park, KMUTT
- Developed business model from a research focused on the elderly

May 2022  
Research Understanding

### Microsoft AI for Accessibility Virtual Hackathon 2022

- Develop Bright-up, an AI application to aid cooking for the blind (Prototype)
- 1 of 11 finalists from all over the world

May 2022  
Design Thinking

### Creative AI Camp 2021

- Develop AI solution under the theme of energy conservation for retail store
- Awarded the First Runner-up

Feb 2021 - Apr 2021  
AI System Design

## Extracurricular & Volunteer Activities

### Cross-Cultural Engineering Project Participant at Shibaura Institute of Technology

Dec 2023

- 1 of 10 KMUTT students to participate in a 10-days project-based learning
- Received JASSO scholarship (3.0/3.0)

### Volunteer for Social Enterprises

2022 - Present

Volunteering, Teamwork

- Saturday School: Social Enterprise for Extracurricular Classes on Saturday  
Volunteered as Foundation Core Team
- EDeaf: Social Enterprise to provide education for the Deaf Season 4, 6  
Volunteered as Learning & Development Core Team

### Organizing Events and Hackathons

Oct 2020 - Present

Community, Organization,  
Leadership

- Actively building technology and AI communities in Thailand
- Country-wide: CAI Club Hackathon 2022, Retail Action Detection Hackathon, Computer Engineering Camp
- State-wide: Robotics Camp at North-East Thailand
- University-wide: Entrepreneurship Week, Startup Hackathon

### MC For KMUTT International Events

2023

Communication

- International Senior Project Conference and Food Fair

### GDSC Graphic Designer Co-Lead, Lakehead University

2022

Graphic Design, Organization

- Design graphics and organize tech events for students

### Student President

2020 - 2021

Leadership

- Develop and suggest innovative solutions for Khema Siri Memorial School

### National Thai Science Camp

2020

Innovation

- Nominated to be the school representative to participate in the camp
- Contribute to the development of a IoT safety bracelet, won the best solution in Technology

### World School International Forum

2019

Communication

- 1 of 3 Thailand's delegates to participate and research on the topic food waste with peers from 22+ countries

## Skills

### Hard Skills

Programming: Python, JavaScript,  
SQL, Hadoop *Familiar with*  
*frameworks & Libraries*  
Physics & Mathematics  
Graphic Designs

### Soft Skills

Fast Learner  
Teamwork  
Flexibility  
Innovative  
Curiosity

### Languages

Thai (Native)  
English (Fluent, TOEIC 990)

### Hobbies

Listening to Podcasts,  
Drawing,  
Baking