Curriculum Vitae

Name: Peerapat Wattanakit
Phone: +666 - 5359 - 5514
Email: Peerapat41437@gmail.com
Linkin: https://www.linkedin.com/in/peerapat-wattanakit-4442a8339
Github: https://github.com/HUKIDUM
Home Address: 99, Ratchadaphisek Road, Wat Tha Phra, Bangkok Yai, Bangkok.

Education

	Institution	Year attended
Secondary Education :	The Prince Royal's College Chiang Mai, Thailand	2018 - 2023
Primary School :	Bachelor of Engineering Program In Computer Engineering and Digital Technology Chulalongkorn University Bangkok, Thailand	2024 - present

Skill & Special Interest

-Technical Skill

Programming Languages: C, C#, C++, JavaScript, Swift, Java, Python, SQL

Framework: Arduino IDE, TensorFlow, React, Xcode, IBM Quantum Platform, Fire Base, MongoDB, Google Colab, Oracle, Flower flamework

-Soft Skill

Communication, Problem - Solving, Team Collaboration, Time Management, Adaptability, Critical Thinking, Leadership

- Special Interest

Internet of Thing, Biomedical Technology, Quantum computer, Machine Learning, Deep Learning, Robotic and Automation

Intellectual Property

Software Copyright : EIPCA - Electrocardiogram Interpretation Pattern for Cardiovascular Abnormality Prediction

Registration number : ๖1.011090 Request number : 433036

Awards & Achievement

International

2025 2nd Place Award Huawei Developer Competition 2025
Asia Pacific Regian

2024 3rd Place Grand Award in Translational Medical Science category
REGENERON ISEF 2024 by Society for Science

2024 2nd Place in Medicine & Health Sciences catagory Taiwan
International Science Fair 2024 (TISF 2024)
by National Taiwan Science Education Center

2023 2nd Place (MERIT) Asia Pacific ICT Alliance Awards 2023 by Hong
Kong Computer Society

2023 1st Place Country and Region Winner Award Intel® AI Global Impact
Festival 2023 by INTEL

Country

2024 3rd Place AI innovator award 2024 by CMKL university DELL
Technlogy and etc.

2024 3rd Place Ford Innovator Scholarship 2024 by Ford and
National Innovation Agency Thailand

2024 1st Place Prime Minister's Science Project Award 2024
Applied Science category by Ministry of Higher
Education, Science, Research and Innovation

2024 - The winners of Thailand Innovation Awards for High
School or Vocational
- Winner Best Pitching Awards
by National Innovation Agency Thailand and Education New Zealand

2023 1st Place (WINNER) Thailand ICT Award 2023 by
The Association of Thai ICT Industry and Microsoft

2023 2nd Place Award, National Software Contest 2023
(NSC) in Application Development Category by National Science and Technology Development Agency

2023 3rd Runner up CUD hackathon by Chulalongkorn University Demonstration Secondary School

Robotic Country

2022 - Honorable Mention Award 2022
- Judges Award 2022
- Motivate Award 2022
in First tech challenge thailand 2022 by Faculty of Engineering, Chiang Mai University and The prince royal collage

2021 - Think Award 2021
in First tech challenge thailand 2021 by Faculty of Engineering, Chiang Mai University and The prince royal collage

2020 - 2nd Award 2020
- Judges Award 2020
in First tech challenge thailand 2020 by Faculty of Engineering, Chiang Mai University and The prince royal collage

Work Experience

- Internship (2024)
  Completed an internship as a researcher at NSTDA (National Science and Technology Development Agency) in the Strategic Analytics with AI (SAI) research team.
  1. Researched federated learning using the Flower framework
  2. developed SecureBoost, a secure federated XGBoost implementation

- Academic Staff (2024)
  Academic team member for CEDT Innovation Summit, a student-organized event by the Computer Engineering and Digital Technology program
  1. Developed judging criteria for competition rounds, focusing on Medical Technology category standards

Ongoing Projects and Research (Main in charge)

1. "EIPCA: Electrocardiogram Interpretation Pattern for Cardiovascular Abnormality Prediction"
   Developed a portable cardiac electrical measurement system that presents a novel methodology for generating comprehensive ECG leads through advanced electrocardiographic principles

2. "QE-TUM: Quantum Entanglement for Electrical Transmission Using Multispace Conception"
   Created a new approach that uses quantum entanglement and multispace theory to design better ways of generating and transmitting electrical power, opening up new possibilities for energy transport

3. "Model Flow: Progressive 3D Generative AI for Component-Level Editing"
   Designed a 3D modeling tool powered by AI that lets users edit individual parts of 3D models accurately and safely using advanced algorithms