Thanakorn Buathongtanakarn

Student, Suankularb Wittayalai School - thanakorn.buath@student.sk.ac.th – ORCID 0009-0005-5304-2225 - GitHub: thanakornbua

Education

Suankularb Wittayalai School – Bangkok, Thailand — 15 May 2024 – Present

High School – Gifted and Talented Education Program

Expected Graduation — March 2027

Macquarie university – Sydney, Australia — 22 March – 1 May 2026

ODOS Summer Camp Scholarship by depa

Suankularb Wittayalai School – Bangkok, Thailand — 17 May 2021 – 29 March 2024

Middle School – Gifted and Talented Education Program

Saint Gabriel's College (Primary School)– Bangkok, Thailand — 11 May 2015 - 27 March 2021

Primary School – Smart Room

Training

Thai Red Cross Society — 27th February 2025

Vital Sign Measurement

Certification

International English Language Testing System (IELTS) Academic — 10th August 2025

Overall: 7.5, Listening: 8.5, Reading: 8.0, Writing: 6.5, Speaking: 6.0
Valid through: 10th August 2027

HackerRank Basic Level for Python Certificate — 24th January 2025

Honors & Awards

Gold Medal in Regional Round — 23rd August 2026

Coding Thailand 2026: AI Inspires The Future - depa

Absolute Winner — 19th June 2026

Navy Cyber Fair 2026: Ready to Defend Ready to Dominate – Royal Thai Navy

Winner — 2nd May 2026

Digital Roots Smarter Nation Project, Macquarie University, ODOS Summer Camp #2

Scholarship Recipient — 21st March 2026

Selected for a short-term academic study program at Macquarie University, Australia under ODOS Summer Camp Class of 2026

Gold Medal Equivalent Certificate, Absolute Winner — 31st January 2026

โครงการประกวดโครงงาน สิ่งประดิษฐ์ และการแข่งขันทางวิชาการ - RMUTP

Silver Medal Equivalent Certificate — 8th January 2026

Medical Science Engineering – 28th Young Scientist Competition

Gold Medal Certificate — November 2025

Thailand English Level Evaluation Test (TESET 2024)

Bronze Medal Certificate — 16th August 2025

3rd MU CHEM CONTEST – Faculty of Science, Mahidol University

Bronze Medal — 22nd March 2025

Thailand International Biology & Medical Olympiad Challenge, Heat Round

First runner-up Awards — 13th - 26th January 2025

72nd Student Arts and Crafts Fair, Food Processing contest

Honorable Mention Awards — 12th November 2024

General knowledge quiz competition in medicine and health science in MEDSWU EduFest, 3rd Finalist

Certificate of Participation — 3rd November 2024

MedQuiz KKU 2024 – Top 100 Finalist

Silver Medal Certificate — 15th October 2024

Thailand English Level Evaluation Test (TESET 2024)

Certificate of Participation — 4th September 2023

APSCO CubeSat Competition – Thailand Section, Semi-final round, 9th finalist

Outstanding Primary School Student Awards — 16th June 2020

1st Kibo Robot Programming Challenge Finalist

Bronze Medal — 5th May 2017

โครงการพัฒนาอัจฉริยะภาพทางวิทยาศาสตร์และคณิตศาสตร์ ประจำปี 2561

Honorable Mention — 2017

ASMO Thai Science & Math Competition

Research Experience

[Ongoing]

Faculty of Medicine Ramathibodi Hospital, Mahidol University – Bangkok, Thailand — Expected: 2027

Universal Coverage for Emergency Patients:
An analysis of financing model impact for multiple trauma patients in Thailand

Suankularb Wittayalai School – Bangkok, Thailand — 2026

A Two-Stage AI-Assisted External-Eye Image Classification System for Primary Ophthalmic Screening and Referral Support in Thailand

Suankularb Wittayalai School – Bangkok, Thailand — 2026

Development of a HER2+ Breast Cancer Classification and Segmentation using ROI-Supervised classification and MIL

Suankularb Wittayalai School – Bangkok, Thailand 2023

Development of a bone abnormalities detection program using YoLov7 architecture in Python Language

Presentation

Suankularb Exhibition 2024 – Suankularb Wittayalai School, Thailand 2024

- Development of bone abnormalities detection program using YoLov7 architecture in Python Language

Service & Leadership

Volunteer at Ramathibodi Hospital, Faculty of Medicine Ramathibodi Hospital, Mahidol 2nd May 2025
Volunteer at Golden Jubilee Medical Center, Faculty of Medicine Siriraj Hospital, Mahidol 25th February 2025
Volunteer at Ramathibodi Hospital, Faculty of Medicine, Ramathibodi Hospital, Mahidol 20-24th Febuarary 2025
Volunteer at Geriatric Clinic, King Chulalongkorn Memorial Hospital, Thailand 21th October 2024
Volunteer at Thai Red Cross Anonymous Clinic, Thailand 25th October 2024
Volunteer at Geriatric Clinic, King Chulalongkorn Memorial Hospital, Thailand 18th October 2024
โครงการปฏิบัติการอาสากู้โลกร้อนปี 3, Thailand 5-6th August 2024

Personal Interest

Health policy researcher with a focus on healthcare financing, equity, and emergency care systems. Interested in computational methods and advanced data analytics for evaluating health policies. My goal is to bridge rigorous policy analysis with scalable technological solutions that enhance both efficiency and accessibility within healthcare systems. In parallel, I maintain an interest in English literature, which helps strengthen my critical thinking and enriches my ability to communicate complex ideas with clarity and precision.