

Theepob Laopornpitchayanuwat

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EDUCATION

Chulalongkorn University

2022 - Present

Bachelor of Engineering - Computer Engineering Major GPAX: 3.67

Relevant Coursework: Pattern Recognition, Data Structures & Algorithm, Software Engineering, DataBase Systems

Debsirin School

2019 - 2022

Science-Mathematics Major GPAX: 4.00

- Thailand Physics Olympiad (TPhO) - 20th TPhO: Silver Medal

WORK EXPERIENCE

Teacher Assistant - Programming Methodology at Chulalongkorn University

January 2023 - Present

- Provided guidance during lab sessions, clarifying coding and debugging techniques
 - Supported students in lab sessions by demonstrating efficient coding practices, troubleshooting code issues, and guiding them.
- Set midterm and final examination question
 - Created exam questions that challenged students to apply multithreading and abstract class principles.
 - Developed JUnit tests to automate evaluation of student exam.
- Held office hours
 - provided additional support and explained course concepts.

Tutor - Teach Physics

2023 - Present

Conducted lessons for university entrance preparation, and high school.

EXTRACURRICULAR ACTIVITIES & ACHIEVEMENT

1Nor Station

October 2023

Thinc's 10 days project for providing and selling a game, building on the final project of Programming Methodology course

- Took responsibility for the frontend development
 - Designed and implemented a login page and home page.

Object Detection Project using YOLOv8

April-May 2024

Pattern Recognition 2024 Class Final Project

- Implemented an object detection model using YOLOv8 to accurately identify and localize objects within images.
- Compared YOLOv8's performance with other object detection models

Quantum Computing

August 2024 - Present

Individual study

- Analyzed and implemented algorithms to solve the maximum cut problem.
- Shor's Algorithm Project
 - Explored the mathematical foundations of quantum computing.
 - Implemented Shor's algorithm for integer factorization.

Certifications

- Basic Cyber Security - Issued by: NCSA December 2023
- Essential SQL - Issued by: BornToDev July 2023
- GitHub for Developer - Issued by: BornToDev January 2023

MISCELLANEOUS

Technical Skills

Language: Python, SQL, C, C++, HTML, CSS, Javascript, Scala, LaTeX

Frameworks: ReactJS, NextJS, TailwindCSS, PyTorch, Scikit-learn, Pandas, NumPy, Matplotlib, Plotly, Qiskit

Tools: Git, GitHub, Docker

Services: Firebase, Vercel, MongoDB

Language: Thai (Native), English, Japanese (N4)

Interests: Sport, History, Book