Patiphon Loetsuthakun

CONTACT

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EDUCATION

Rensselaer Polytechnic Institute (RPI) — Troy, NY
Bachelor in Computer Science — *Expected May 2025*
GPA: 3.89

RELEVANT COURSEWORK

Data Structure, Computer Organization, Foundation of Computer Science, Algorithm Design, Graph Theory, Information System Security

EXPERIENCE

Rensselaer Polytechnic Institute, Student Mentor — Troy, NY
Undergraduate Programming Mentor — Aug 2022 - Present

- Support approximately 100 students in class's labs
- Monitor and grade homework assignments and exams
- Input student data for teacher assistance review

Suankularb Wittayalai School, Computer Olympiad Team — Bangkok, TH
Competitive Programming Co-lecturer — Jan 2020 - May 2020

- Composed, evaluated, and reviewed practice problems for 20 students
- Advised and supported students through one-on-one meetings
- Coached five students to a national-level competition

LEADERSHIP & ACTIVITIES

Suankularb Wittayalai School — Bangkok, TH
Computer Club President — Apr 2018 - Apr 2019

- Secured 12000 THB (315 USD) in funding from sponsor Lactasoy used for activities
- Supervised and trained club members for the activities managed by the club
- Launched four club events: programming contest, graphic design boot camp, C# bootcamp, and activity fair
- Partnered with Thai Musical club to arrange the Khon (masked play)
- Coordinated with student council and computer teacher
- Reviewed the club's official documents before submitting them to the student council

PROJECT

CWExpress — May 2022 - Present

An online-controlled IoT system utilizing a C-scan-B QR payment to command the client. This system will allow every local business owner to integrate online payment into their business without any additional cost.

- Used ESP8266 board written in C/C++ as a control system
- Utilized ExpressJS, MQTT, and MongoDB for server and database
- Designed the website with Figma and coded with ReactJS

Poll Requested — Sep 2022 - Dec 2022

An azure cloud-based online polling system utilizing Rensselaer Polytechnic Institute credentials to provide availability for every RPI student.

- Designed the website with Figma and coded with ReactJS and TailwindCSS
- Deployed on Azure cloud service with Apache HTTP server

AWARD

- Silver-medalist National Olympiad in Informatics in Singapore in 2019
- Silver-medalist Thai National Olympiad in Informatics in 2018

SKILL

Arduino, C, C++, CSS, Digital Circuit, ExpressJS, Figma, Framer Motion, HTML, Javascript, React, MongoDB, NodeJS, TailwindCSS