

PONGSAPHOL PONGSAWAKUL	
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EDUCATION	
MICHIGAN STATE UNIVERSITY	East Lansing, MI
<i>Bachelor of Science in Computer Science</i>	Expected June 2025
<ul style="list-style-type: none"> GPA: 4.00/4.00 Coursework: Introduction to Programming, Multivariable Calculus, Physics for Scientists and Engineers I, Introduction to Microeconomics, and Writing as Inquiry 	
EXPERIENCE	
Kasetsart University	Bangkok, Thailand
<i>Independent Researcher (6 Hours Per Week, 40 Weeks Per Year)</i>	December 2019 - December 2020
<ul style="list-style-type: none"> Published “An Algorithm For Consensus Tree” in the 2020 International Computer Science and Engineering Conference (ICSEC). (https://ieeexplore.ieee.org/document/9375226) Research used for analyzing data from the phylogenetic tree and for finding ancestors of various species. 	
The Institute for the Promotion of Teaching Science and Technology (IPST)	Bangkok, Thailand
<i>Lead Developer of programming.in.th (12 Hours Per Week, 40 Weeks Per Year)</i>	December 2019 - May 2020
<ul style="list-style-type: none"> Programmed the system to collect user data using Firebase and judge the submission using Rust. Developed a frontend system using Next.js and Tailwind CSS, and authentication system linked with Firebase. Website provided more than 700 problems in competitive programming for free; has 8000 users registered and 2800 of them are active every month. 	
<i>Teaching Assistant (4 Hours Per Week, 8 Weeks Per Year)</i>	May - June 2020, May - June 2021
<ul style="list-style-type: none"> Taught 25 students (per cohort) Advanced Data Structure in Thailand Computer Olympiad’s National Selection Camp. Organized online office hours on Discord to help students solve difficult problems. 	
Thailand Online Competitive Programming Contest (TOCPC)	Bangkok, Thailand (Remote)
<i>Programming Contest Organizer (8 Hours Per Week, 12 Weeks Per Year)</i>	October 2021 - December 2021
<ul style="list-style-type: none"> Developed registration website using Next.js with Tailwind CSS as a frontend and Firebase as a backend. (https://tocpc.codes) Installed judging systems called Contest Managing System in Ubuntu. Performed quality control on the correctness of statements and test cases for every task in this contest. Oversaw the biggest online competitive programming contest in Thailand in 2021 with over 960 participants. 	
Thailand Computing Olympiad (THACO)	Bangkok, Thailand
<i>Assistant Leader of Thailand Computing Olympiad (8 Hours Per Week, 12 Weeks Per Year)</i>	September 2020 - November 2020
<ul style="list-style-type: none"> Controlled the quality and the correctness of statements and test cases for every task in this contest. Created advertisements and boosted posts on Facebook to ensure that this was the biggest online competitive programming contest in Thailand in 2020 with over 450 participants. Handled the logistics of competition, prizes and awards. 	
Chulalongkorn University	Bangkok, Thailand
<i>Task Author (4 Hours Per Week, 8 Weeks Per Year)</i>	July 2019 - November 2019
<ul style="list-style-type: none"> Composed algorithmic tasks for the 2019 ICPC Asia Bangkok Programming Contest, Chulalongkorn University. Over 50 participants from top universities in Asia joined this contest. 	
ACTIVITIES	
Triam Udom Suksa School Computer Club	Bangkok, Thailand
<i>Co-President and Lecturer (1 Hours Per Week, 40 Weeks Per Year)</i>	May 2017 - March 2020

<ul style="list-style-type: none"> • Club met weekly to practice web development and competitive programming. • Led competitive programming activities, focusing on solving problems with various dynamical algorithms. • Taught students to code in C++ and solve algorithmic complex problems; two of those students went on to secure bronze medals at the International Olympiad in Informatics. 	
Codeforces.com	Bangkok, Thailand
<i>Participant (1 Hour Per Week, 30 Weeks Per Year)</i>	May 2017 - August 2019
<ul style="list-style-type: none"> • Participated in various online programming contests on this website using C++. • Completed a total of 429 problems and current rating is ranked top 1% globally. 	
AWARDS	
<ul style="list-style-type: none"> • International Olympiad in Informatics 2019 in Baku, Azerbaijan– Bronze Medal • Royal Thai Government Computer Science Ph.D. scholarship • Order of the Direkgunabhorn (Royal Thai Family) – Silver Medal • Asia-Pacific Olympiad in Informatics 2019 in Kazan, Russia – Silver Medal • National Olympiad in Informatics 2019 in Singapore – Gold Medal • Thailand Olympiad in Informatics 2017 – Silver Medal • Agoda Programming Competition 2019 – 5th Place • TechJam 2018 by KBTG – 2nd Place 	<p>August 2019</p> <p>April 2020</p> <p>January 2021</p> <p>May 2019</p> <p>March 2019</p> <p>May 2017</p> <p>November 2019</p> <p>November 2018</p>
ADDITIONAL INFORMATION	
<ul style="list-style-type: none"> • Programming Languages and Frameworks <ul style="list-style-type: none"> – Proficient: C, C++, HTML, CSS, Javascript, React, Typescript – Familiar: Rust, Python, Go, Solidity 	