

SORAWIT MATTRA

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EDUCATION

Bachelor of Science – Computer Engineering
The Pennsylvania State University, University Park, PA

Expected Graduation May 2024
Cumulative GPA 3.40
Dean's List 3 semesters

Relevant Courses

- Communication Networks
- Data Structure and Algorithm
- Introduction to Computer Architecture
- Introduction to Computer Security
- Introduction to System Programming
- Signals and Systems

EXPERIENCES

Treasurer **Jan 2023 – Current**
Thai Student Association (ThSA), The Pennsylvania State University

- Managing the fund for the events related to Thai Student Association on Fall and Spring semester.
- Responsible for financial transactions, including authorizing check requests, and picking up checks.
- Initialized Origami Booth in Thai Night event, including Poster Designer and Origami Demonstrator.

Teaching Assistant **July 2023 – Aug 2023**
Department of Computer Science, Maha Sarakham University, Thailand

- Assisted Professor in lab session to respond to students' questions as needed.
- Advised students in learning Intro to Java Programming and Database Management System.

Mathematics Learning Assistant **Sep 2022 – May 2023**
Eberly College of Science, The Pennsylvania State University

- Facilitated learning in interactive classroom during group work with professor every week.
- Hold evening LA (Learning Assistant) weekly sessions for students who need assistance with worksheets and homework.

Mechanic and Programmer **2019 – 2020**
St. Stephen's Episcopal School, Austin, TX

- Integrated Adafruit Feather Microcontroller into a hacked RC car.
- Implemented self-driving autonomous function using Arduino Ultrasonic Sensor.
- Developed the user-controlled functions using Accelerometer App which connected to the hacked RC car through Bluetooth.

Participant **2016 – 2017**
Regional Olympiad in Informatics Second-Stage Training Camp, Thailand

- Learned Discrete Mathematics, C, and C++ Programming Language.
- Mastered Fundamental Data Structure and Algorithm which is used for Competitive Programming.

SKILLS & ABILITIES

Programming

- Proficient in C, C++, Python, Java, SQL, and MATLAB
- Proficient in Web Development (HTML, CSS, JavaScript, and React)
- Proficient in Git, GitHub, Linux Distribution System, and Virtual Machine