

PORTFOLIO

PAKAPOOL BOONMA

NARESUAN UNIVERSITY SECONDARY SCHOOL





PAKAPOOL BOONMA

Details

Name : Pakapool Boonma

Nickname : Poom

Age: 18 years

Birthday: 5 December 2003

Nationality : Thai

E-mail : dinodragoz77@gmail.com

Educational Background



Elementary School :

Rojanawit Elementary School - Phitsanulok, Thailand



Middle School :

Naresuan University Secondary Demonstration School - Phitsanulok, Thailand

GPAX : 3.31 on 4 scales



High School :

Naresuan University Secondary Demonstration School - Phitsanulok, Thailand

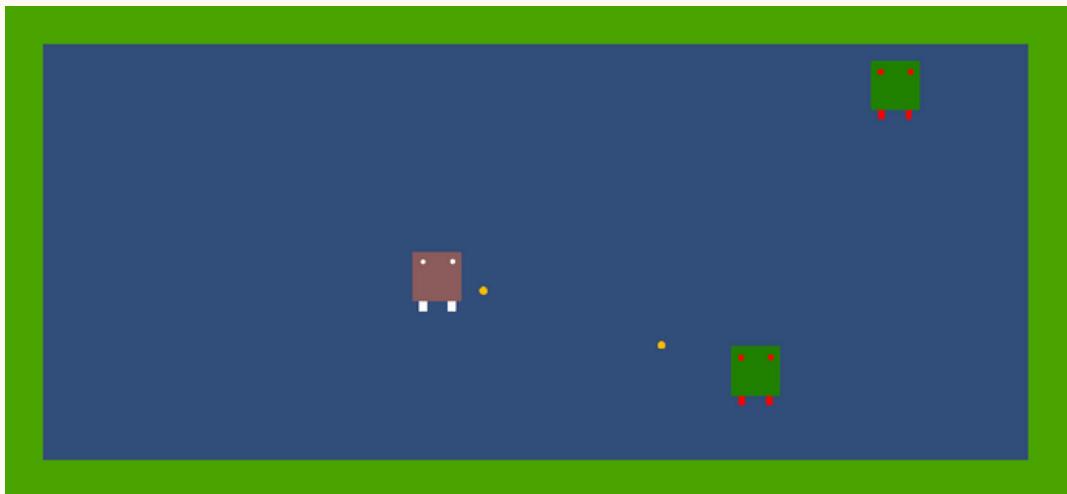
Program : Math-Science

GPA : 3.38 (5 out of 6 semesters) on 4 scales

Experiences

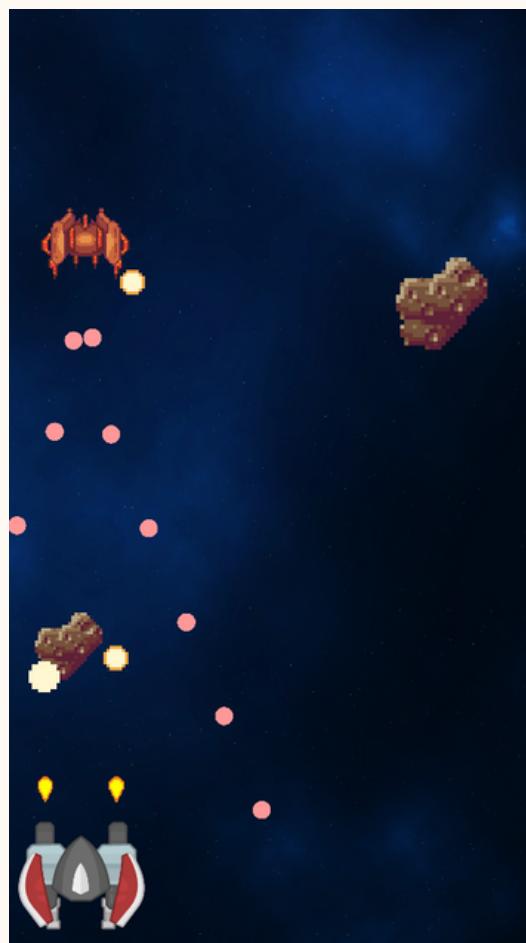
Unity

First project : Zombies



What I've learnt : vector calculation, basic movements, data structure, hitbox detection, spawns objects

Second project : Enormflight



What I've learnt : infinite scrolling background, enemies behaviors, limiting objects, basic animations usage

Website development

you can visit my website by clicking this link:

https://3normousz.github.io/About_Me/index.html

or



About Me (Landing page)

Pakapool Boonma

[About Me](#) [Github](#) [Portfolio](#)



who am I

I'm a student from Thailand who have an interest in the computer science.

Education

Elementary School :

Rojanawit Elementary School - Phitsanulok, Thailand

Middle School :

Naresuan University Secondary Demonstration School - Phitsanulok, Thailand

GPAX : 3.31 on 4.0 scales

High School :

Naresuan University Secondary Demonstration School - Phitsanulok, Thailand

Math-Science Program

GPA : 3.38 (5 out of 6 semesters) on 4.0 scales

My Projects

NU_RPG

This is my first website, using only HTML and CSS knowledge. I also tried making my website responsive, however, it's quite buggy and not shown properly.

[→ Enter the website](#)

ErkArk_RPG

This is my second website. I almost end up messing my website again after trying to make it responsive, but I gave Bootstrap a try. So this is my first time using Bootstrap and I found it very convenient to use and I got the website how I exactly want.

[→ Enter the website](#)

unitConverters

First time making my own javascript, a little bit hard and confused.

[→ Enter the website](#)

myCalculator App

My first application. By using Flutter, it looks like CSS in my opinion, however, managing parentheses is a little bit confusing.

[→ View on Github](#)

pythonCalculator App

Finally, I give Python a try after having heard about it for a long time. In my opinion, the language is very clean compared to other languages.

[→ View on Github](#)

pythonWeather App

This is my second Python project, but my first time trying to fetch data from an API. It's very confusing and requires you a lot of document reading.

[→ View on Github](#)

Smart Bin

First time giving coding with hardware a try after I have been afraid to try for a long time. Not as hard as I think but it's difficult to find whether the bugs are from code or hardware.

[→ View on Github](#)

FEEL FREE TO CONTACT ME



ErkArk RPG

The screenshot shows a grid of eight RPG classes under the heading "Newly overhauled classes". Each class has a card with its name, role, difficulty rating (from 1 to 5 stars), and a "Learn more" button.

Newly overhauled classes	
Warlord Tank Difficulty: ★☆☆☆☆ Learn more	Flameweaver Damage Difficulty: ★☆☆☆☆ Learn more
Dragonkin Flank Difficulty: ★★★★☆ Learn more	Minstrel Support Difficulty: ★☆☆☆☆ Learn more
Ruler Tank Difficulty: ★★★★☆ Learn more	Galecaller Damage Difficulty: ★★★★☆ Learn more
Deathbringer Flank Difficulty: ★★★★★ Learn more	Timewielder Support Difficulty: ★☆☆☆☆ Learn more

What I've learnt : drop-down menu, column card creation, supporting mobile devices, importing online sources

unitConverters

The screenshot shows a unit converter interface with two dropdown menus for selecting units of measurement. The "From" dropdown and the "To" dropdown both list the following units: Meter, Kilometer, Centimeter, Millimeter, Mile, Yard, Foot, and Inch. A "Calculate" button is located at the bottom of the form.

From :

To :

Meter
Kilometer
Centimeter
Millimeter
Mile
Yard
Foot
Inch

Meter
Kilometer
Centimeter
Millimeter
Mile

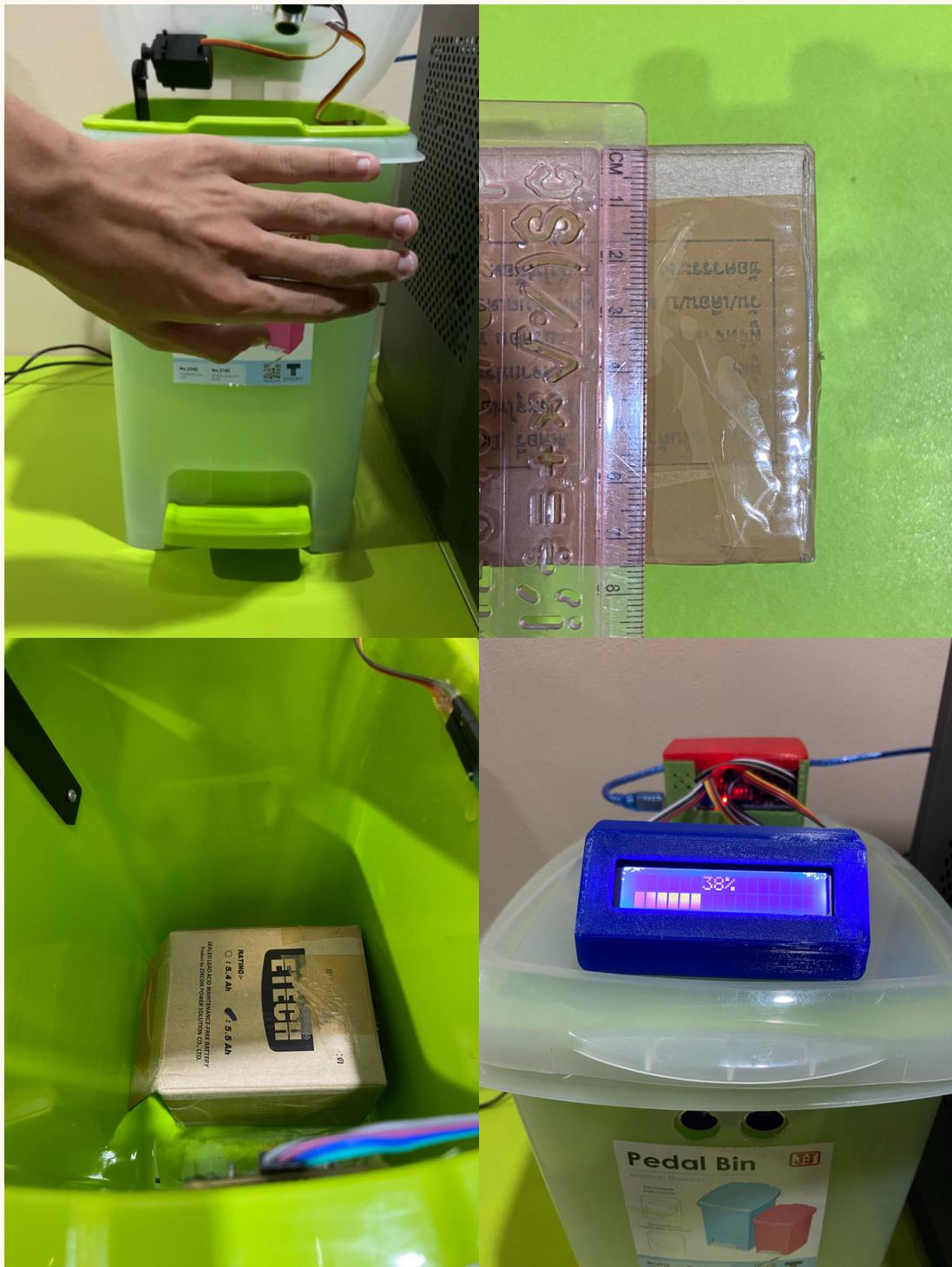
[Calculate](#)

What I've learnt : Javascript

Arduino

Smart Bin

GitHub repository: <https://github.com/3normousz/arduinoSmartBin>



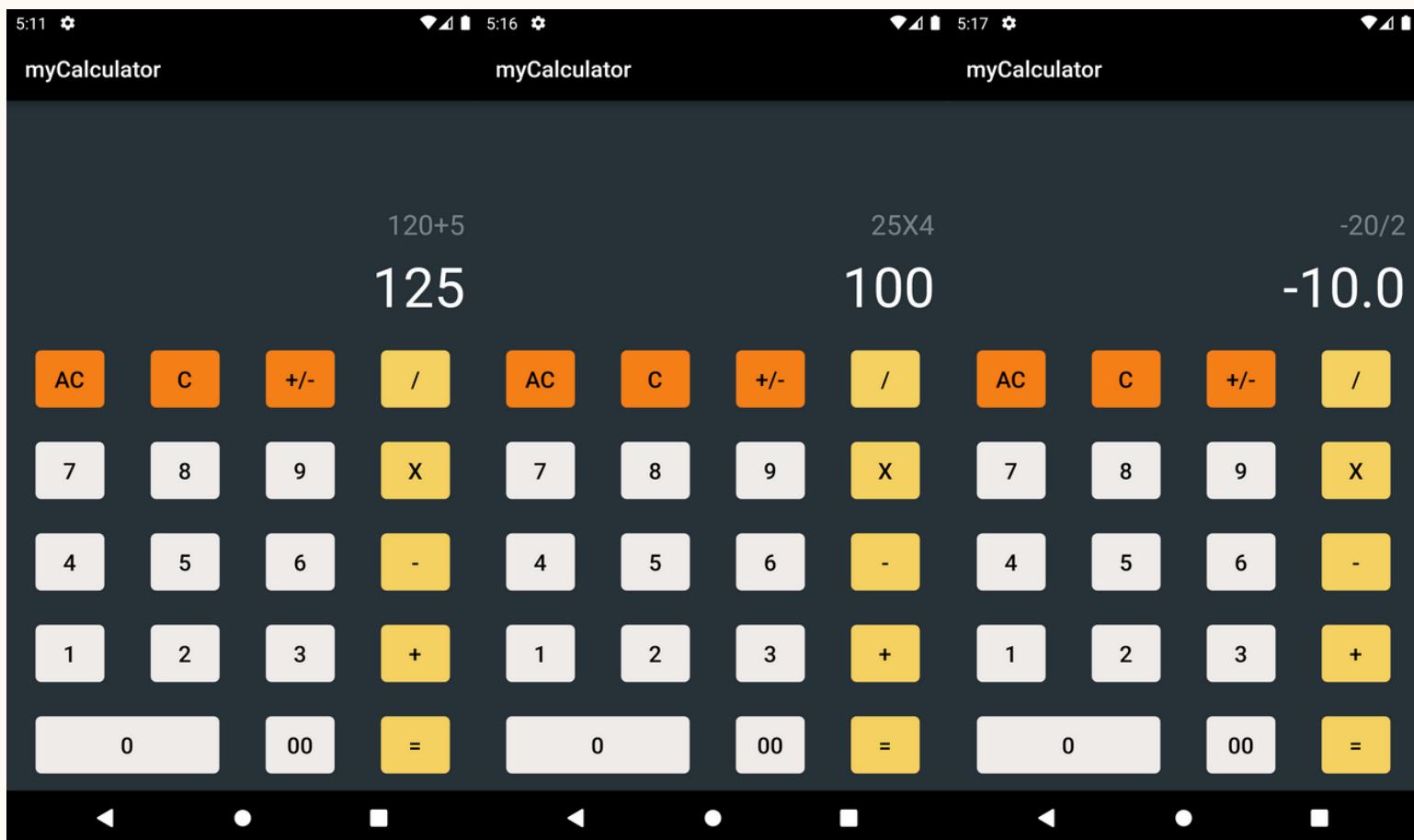
How it works : When you're close to the bin, less than 20 centimeters, the bin will open its lid automatically by the help of an ultrasonic sensor. Also, there is LCD display illustrating level of the existing trash which measured by ultrasonic sensor.

What I've learnt : Materials choosing - For example, if components placed on the lid are too heavy, servo won't be able to open the lid. 3D modeling.

Flutter

myCalculator

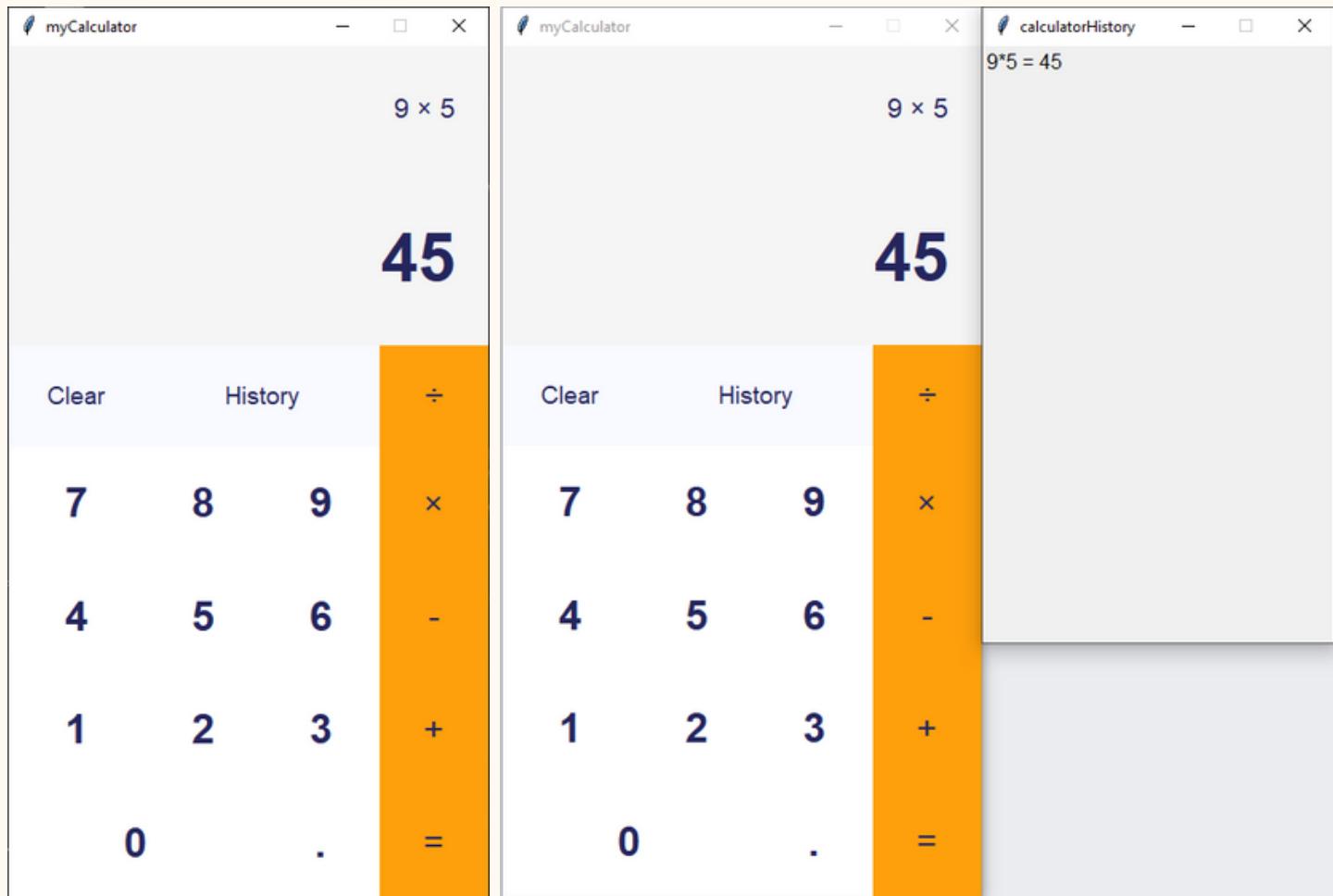
GitHub repository: <https://github.com/3normousz/flutterCalculator>



Python

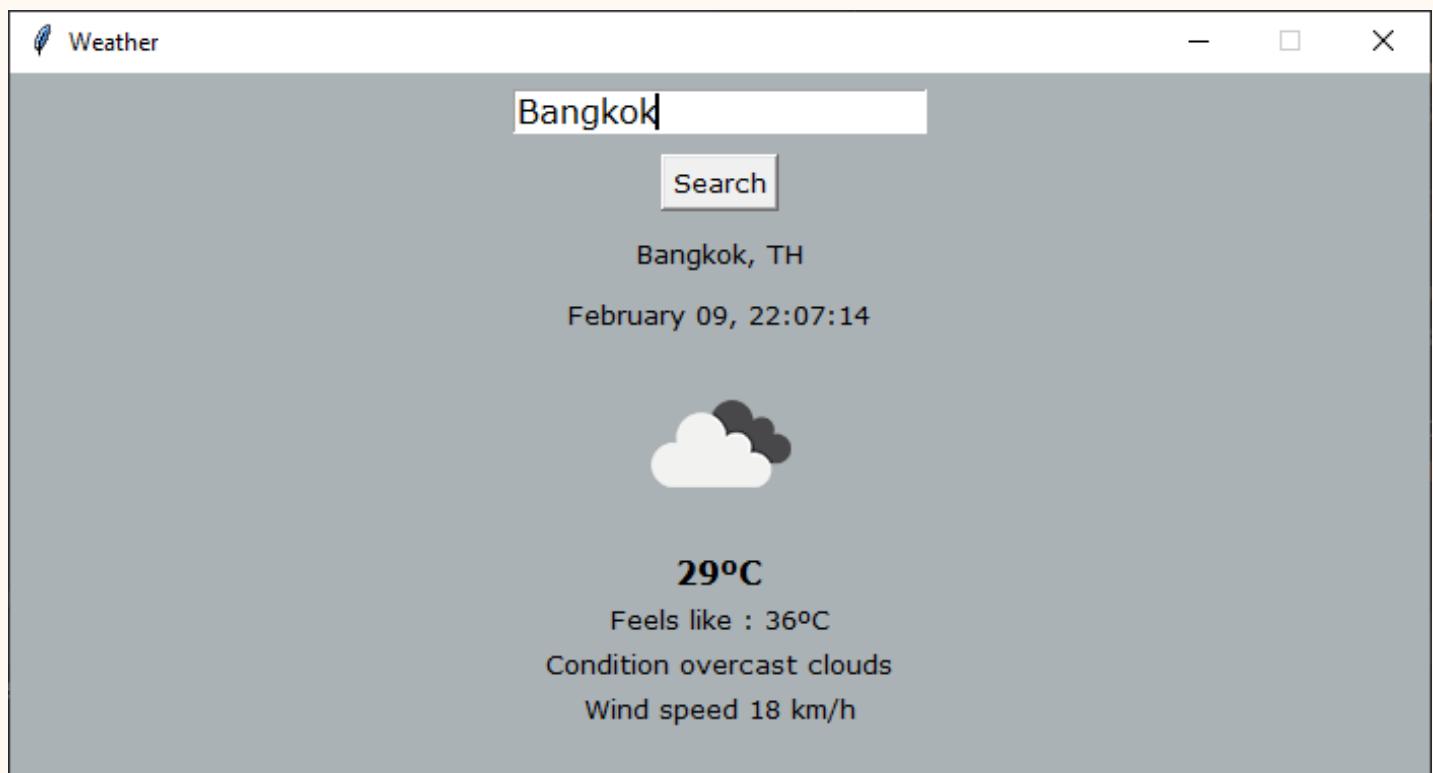
pythonCalculator App

GitHub repository: <https://github.com/3normousz/pythonCalculator>



pythonWeather App

GitHub repository: <https://github.com/3normousz/pythonWeatherApp>



Activities

Smart Factory



In this event, you have to pick up things with robot cars then deliver them to specific areas. It was very tough for me as I didn't have any experiences in coding with these complex hardware. Working with hardware requires more than coding skills. You'll have to choose proper materials, also how the things, sensors, ac motors, work. After this event, I have gained a lot of knowledge such as knowing how to strengthen small sticks in order to scoops things.

Satit Samakkee 44 "Prasarnmit Game"



This event was held by different Satit schools each year. For this year, it was held by Satit Prasarnmit. This was my first time participating in sports competition, football. I didn't get selected to play as a main player, however, I've helped both my high school's team and middle school's team by being their training partner, setting up training equipments. Other than having helped friends, I have learnt more details about football tactics, performing first aid, massaging

English Camp



This camp was hosted by my school, Satit NUD. At first, I'm not good at speaking in public, especially speaking English in public, however, as this camp encouraged me a lot to use English. I felt a lot more confidence in using English.

Click Camp 12



This event was held by Mahidol University. It was about coding with c language and working with LED lights on Arduino. I have never code with team before, so this was a great chance for me to practice it. Moreover, I have learnt how to compare numbers to find min max values, looping LED lights in patterns which influence me into coding.

Volunteering

BOINC

BOINC lets you help cutting-edge science research using your computer. The BOINC app, running on your computer, downloads scientific computing jobs and runs them invisibly in the background

Certificate of Computation

This certifies that

Pakapool Boonma

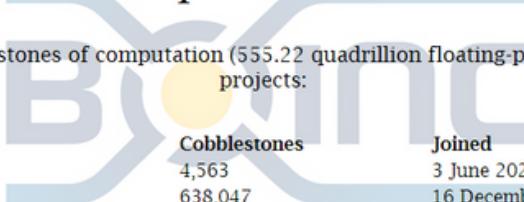
has contributed 642,610 Cobblestones of computation (555.22 quadrillion floating-point operations) to the following projects:

Project
Rosetta@home
World Community Grid

Cobblestones
4,563
638,047

Joined
3 June 2021
16 December 2020




David P. Anderson

David P. Anderson
Director, BOINC
<https://boinc.berkeley.edu>
10 February 2022



Certificates

*Name on some certificates may not be the same as shown in passport. My actual name is Phakapon not Pakapool, It's wrong and I didn't correct it yet.

