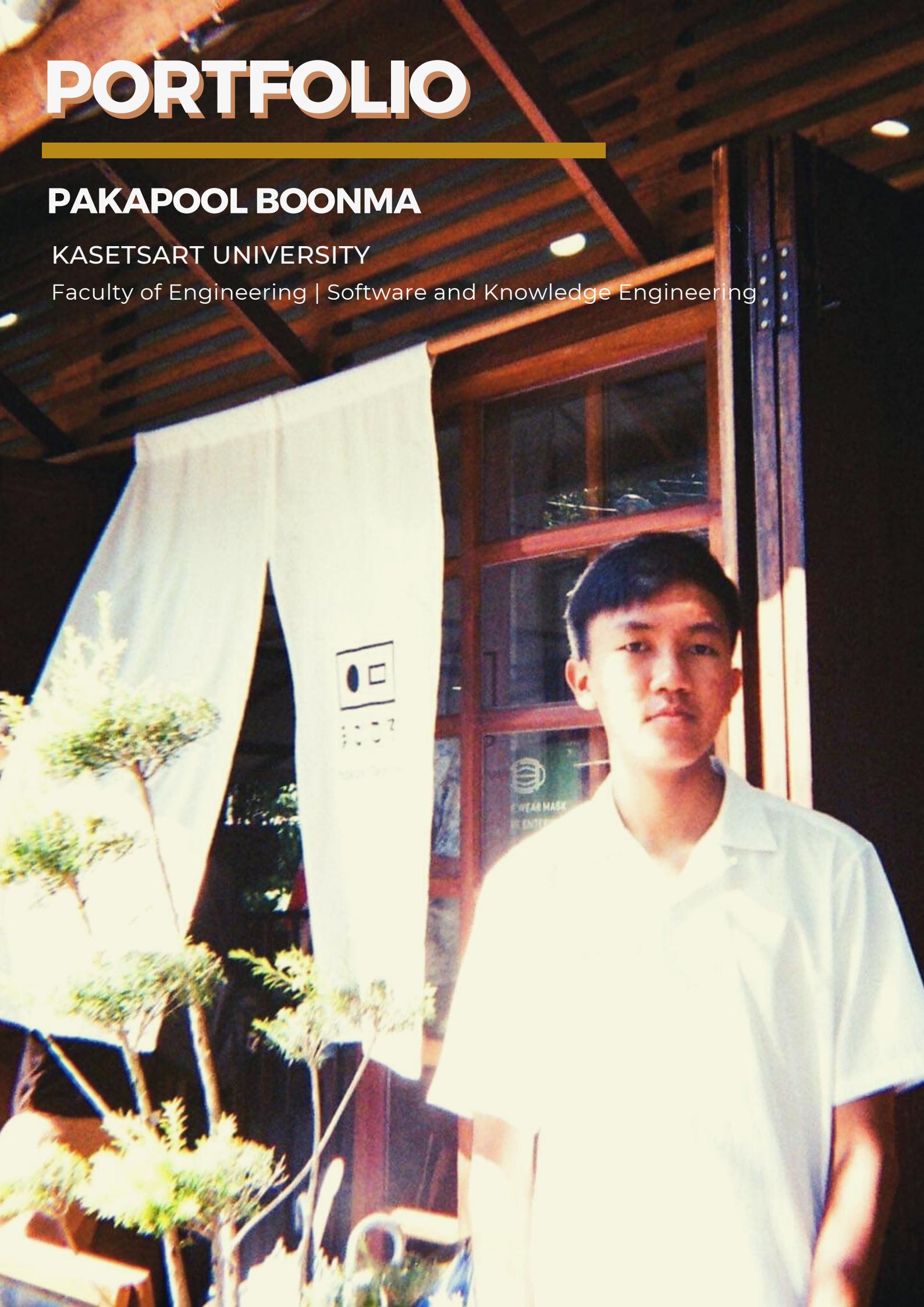


PORTFOLIO

PAKAPOOL BOONMA

KASETSART UNIVERSITY

Faculty of Engineering | Software and Knowledge Engineering





PAKAPOOL BOONMA

Details

Name : Pakapool Boonma

Nickname : Poom

Age: 18 years

Birthday: 5 December 2003

Nationality : Thai

E-mail : dinodragoz77@gmail.com

Tel : 095 318 8266

Educational Background



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

Program : Math-Science

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

STATEMENT OF PURPOSE

We are living in a rapidly changing world driven by technology. Not only has technology improved our lives' quality but also plays a crucial role in pushing humans' limits. Learning to utilize computers and digital gadgets has been my passion ever since I was young. I believe that technology will be completely merged with human's everyday movements in the future. With the sudden rise of the computing industry, I have taken a keen interest in this field. For now, my ultimate goal is to uplift everyone's well-being by facilitating them with modern technology, especially those who are in need.

While I was in high school, I always attended courses related to computer science and robotics if I had a chance. I found the field fascinating as I deeply enjoyed learning about programming and solving problems. Consequently, I have discovered my passion for this field and become interested in pursuing further study. My experience in these courses has also granted me a wide range of useful knowledge and skills that will be immensely useful when studying Software Engineering at the undergraduate level at Kasetsart University.

The four-year Bachelor course in Software Engineering provided by the prestigious Kasetsart University will enhance my understanding of the system behind the structure of software. Most courses would allow me to have hands-on experiments instead of solely learning the theories, which means it is a great opportunity to gain expertise in the subject I desire.

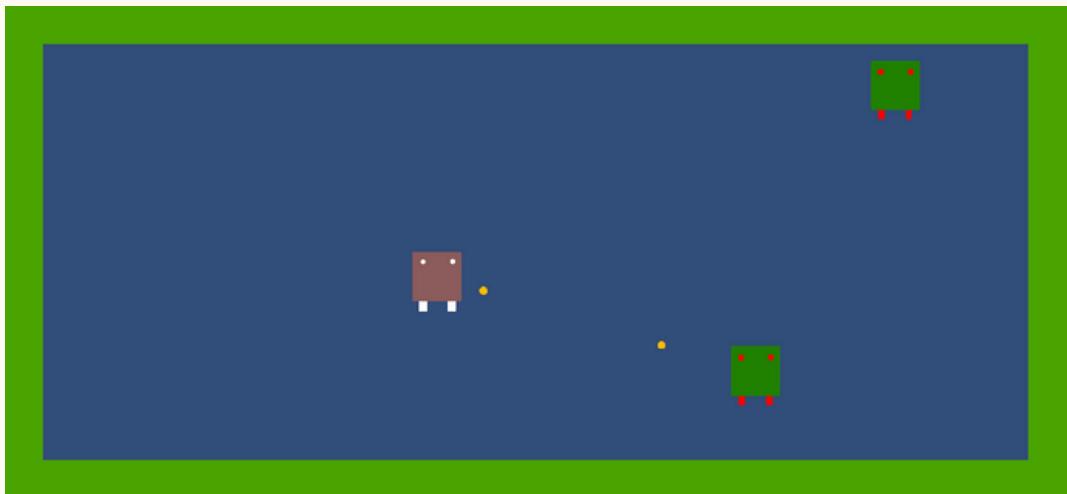
For the academic course, I want to learn the fundamental principles of software engineering. I aspire to become a software engineer which will give me an advantage to apply for an internship at many big companies in both Thailand and overseas. As this course is an international program, it will also help strengthen my skills in language and communication, and be able to understand the foreign clients better. If I have the chance, I will also try to join Kasetsart University's exchange program as it will lead me to many interesting people and new experiences.

It would truly be a great pleasure and honor if I were to be accepted as a Kasetsart University student and given an opportunity to practice exclusively in a specific field. It will encourage me to thrive and fulfill my intention, allowing me to make a contribution to my country and society as well as change it into a better place. I hope you will allow me to prove myself with this chance since I am certain that I can meet, if not surpass, your expectations.

Experiences

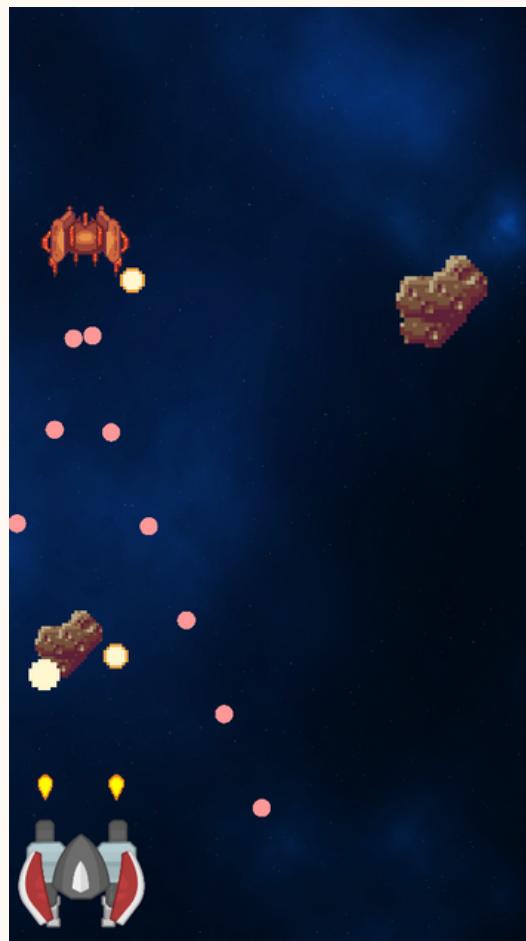
Unity

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

HTML, CSS

Frist project : NU-RPG

The screenshot shows the 'Getting Started' section of the NU-RPG website. It includes instructions for logging in, a screenshot of a game interface showing a monster with stats (Level 20, EXP 2.7%), and a screenshot of a boss fight.

ระบบ Login
ผู้ใช้สามารถเข้าสู่ระบบโดยการคลิกที่ปุ่ม Login, เข้ารหัสผ่าน /reg ที่มีอยู่ (ไม่ต้องใส่รหัสผ่านที่เดิม) และเข้ารหัสผ่านใหม่สองครั้ง /login ที่มีอยู่
Ex: /reg 54154, /login 54154
**ผู้ใช้ต้องรับรองว่า Yes No หากเข้าช่อง Yes

Battle Power
กด shift คือเพิ่ง Level ของตัว

ระบบ Boss
บอสจะต่อสู้ ต 40 นาที (ต่อรอบต่อไป)

What I've learnt : navigation bar creation

Second project : ErkARK RPG

The screenshot shows the 'Overhauled Classes' section of the ErkARK RPG website. It features a button labeled 'Explore Classes'.

Overhauled Classes
newly overhauled classes system, real beautiful skill effects and much more balance

Explore Classes

What I've learnt : drop-down menu, color transit animation

Third project : ErkArk RPG

Newly overhauled classes

Warlord

Tank

Difficulty : ★★★★★

Flameweaver

Damage

Difficulty : ★★★★★

Dragonkin

Flank

Difficulty : ★★★★★

Minstrel

Support

Difficulty : ★★★★★

Ruler

Tank

Difficulty : ★★★★★

Galecaller

Damage

Difficulty : ★★★★★

Deathbringer

Flank

Difficulty : ★★★★★

Timewielder

Support

Difficulty : ★★★★★

What I've learnt : column card creation, supporting mobile devices, importing online sources, CSS framework

You can visit my website by clicking this link <https://3normousz.github.io/index.html>

or



Arduino



How it works : When you're close to the bin, less than 10 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.

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 scoop 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

World Community Grid

World Community Grid enables anyone with a computer donate their computing power to advance cutting-edge scientific research on topics related to health, poverty and sustainability.

Certificate of Computation

This certifies that

Pakapool Boonma

has contributed 587,419 Cobblestones of computation (507.53 quadrillion floating-point operations) to the following projects:

Project
Rosetta@home
World Community Grid

Cobblestones
4,563
582,856

Joined
3 June 2021
16 December 2020



A handwritten signature in blue ink that appears to read "David P. Anderson".

David P. Anderson
Director, BOINC
<https://boinc.berkeley.edu>
31 December 2021



Certificates

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

