

# PORTFOLIO

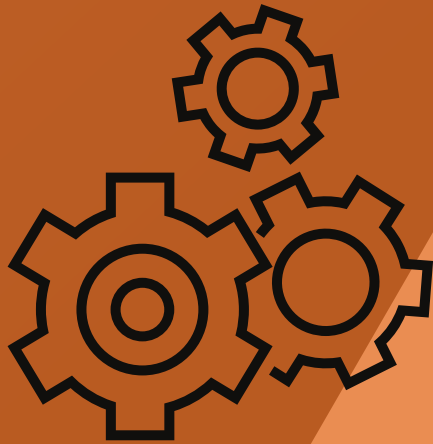
TANATORN KAMONRATTANAMONGKON



Secondary School

Triam Udom Suksa Pattanakarn School

## CHEER



SCHOOL OF  
INTERNATIONAL  
& INTERDISCIPLINARY  
ENGINEERING PROGRAMS  
King Mongkut's Institute of Technology Ladkrabang

# PROFILE



**First name : Tanatorn**

**Family name : Kamonrattanamongkon**

**Nickname : Cheer**

**Date of birth : 02/01/2550**

**Age : 17**

**Ethnicity : Thai**

**Nationality : Thai**

**Religion : Buddhism**



SCAN ME



99/66 Chollada  
Suvarnabhumi Village,  
Sisa Chorakhe Noi,  
Bang Sao Thong,  
Samut Prakan 10570,  
Thailand

## SKILL / ABILITY



**Unity**



**tanatorn.km@gmail.com**



**092-725-8880**



**tanatornkm**



สถาบันเทคโนโลยีพระจอมเกล้าเจ้าคุณทหารลาดกระบัง  
(King Mongkut's Institute of Technology Ladkrabang)

สำนักทะเบียนและบริการการศึกษา (KMUTL Registration and Educational Service Office)

ใบสมัคร  
Application

วันที่สมัคร : 10 พฤศจิกายน 2567  
Date of application : 10 November 2024



สำหรับนักศึกษาระดับปริญญาตรี (Bachelor's degree)

เลขที่สมัคร (Registration No.) 195835

เลขบัตรประชาชน (ID card number) 1101700419967

ชื่อ - สกุล (Name-Surname) ธนทร กมลรัตนมงคล

รอบ (Round) Direct Admission 1-1 (International Program)

โครงการ (Project) Direct Admission 1-1 (Early Round) (School of Engineering)

ลำดับที่ เลือก No.	คณะ Faculty	หลักสูตร Curriculum
1	วิศวกรรมศาสตร์ Engineering	วิศวกรรมซอฟต์แวร์ (หลักสูตรนานาชาติ) Software Engineering (International program)
2	วิศวกรรมศาสตร์ Engineering	วิศวกรรมคอมพิวเตอร์ (หลักสูตรนานาชาติ) Computer Engineering (International Program)
3	วิศวกรรมศาสตร์ Engineering	วิศวกรรมการเงิน (หลักสูตรนานาชาติ) Financial Engineering (International Program)

ข้อมูลผู้สมัคร (Applicant Information)	
สัญชาติ (Nation) : ไทย	วันเดือนปีเกิด (Birthday) : 2 มกราคม 2550
Email : tanatorn.km@gmail.com	เบอร์โทร (Mobile) : 0927258880
ที่อยู่ (Address) : 99/66 Chollada Suvarnabhumi Village, Sisa Chorakhe Noi, Bang Sao Thong, Samut Prakan 10570, Thailand	
ประวัติการศึกษา (School Information)	
สถานะการศึกษา (Educational Status) : กำลังศึกษา	ประเภทการศึกษา (Study type) : ม.6
โรงเรียน (School) : เตรียมอุดมศึกษาพัฒนาการ	แผนการศึกษา (Education Type) : โปรแกรมวิทย์-คณิต
จำนวนเทอมของ GPA (Number of GPA terms) : 5	GPA : 2.87
เหตุผลในการเข้าศึกษา สจล. (Reasons for admission to the KMUTL)	
Personally, I am someone who enjoys studying coding, and in my view, KMUTL is well-known and highly regarded for its engineering department and exceptional curriculum. Additionally, I really enjoy hands-on work, and I see that KMUTL offers plenty of lab work, providing valuable opportunities for real-world practice.	
ความสามารถพิเศษด้านภาษาอังกฤษ (English language proficiency skill)	
I can read fluently, engage in conversations, and enjoy listening to music and watching movies in English.	
ความสามารถพิเศษ (Special Qualifications)	
I can write C# to create games, work well in a team, express myself confidently, have performed in a school band, and play both the piano and guitar.	
ประวัติการได้ทุน (Scholarships that have been received)	
-	
ประวัติการแข่งขัน (Sports competition)	
Taekwondo Football Basketball	
ประวัติการอบรม / แข่งขัน / สอน. (Training / Competition / Academic Olympiads Camp)	
Hamster Hub Game Jam(3 contests) / K-Engineering Workshop / Solve computer-related problems	





# บัตรประจำตัวประชาชน Thai National ID Card

เลขประจำตัวประชาชน

Identification Number

1 1017 00419 96 7

ชื่อตัวและชื่อสกุล นาย ธนทร กมลรัตนมงคล

Name Mr. Tanatorn

Last name Kamonrattanamongkon

เกิดวันที่ 2 ม.ค. 2550

Date of Birth 2 Jan. 2007

ศาสนา พุทธ

ที่อยู่ 699 ซ.ฉลองกรุง1 แขวงลาดกระบัง

เขตลาดกระบัง กรุงเทพมหานคร

29 ก.ย. 2565

วันออกบัตร

29 Sep. 2022

Date of Issue

(นายธนาคม จงจิระ)

เจ้าพนักงานออกบัตร

1 ม.ค. 2574

วันบัตรหมดอายุ

1 Jan. 2031

Date of Expiry



1011-03-09291000

BORA-10.7-06-2564



ประเทศไทย



THAILAND

JC3-1613702-88

TRIAMUDOMSUKSAPATTANAKARN  
BANGKOK, THAILAND  
TRANSCRIPT OF RECORD UPPER SECONDARY



NAME : Mr.Tanatom Kamonratnamongkon

SEX : Male

Nationality : Thai

Religion : Buddhism

Date of Admission : May 17 ,2022

Date of Birth : January 02 , 2007 Student Code : 34884

Place of Birth : Bangkok

Address : 99/66 Chonlada Suvannabumi Village Bang Sao..

Sisa Chorakhe Noi Samut Prakan

Name of Parents(or Guardian) : Mr.Phairat Kamonratnamongkon & Ms.Thanyanan Huadsaka

Former School/Grade :

No. of units Earned( Former school ) :

Course No.	GRADE 10 Title of Courses	Sem Units	Grade	Course No.	GRADE 11 Title of Courses	Sem Units	Grade
	1 st Year 2022				2 nd Year 2023		
	<b>** Basic Subjects **</b>				<b>** Basic Subjects **</b>		
THA 31101	Thai Language	1.0	3.5	THA 32101	Thai Language	1.0	2.5
THA 31102	Thai Language	1.0	2.5	THA 32102	Thai Language	1.0	3
MATH 31101	Mathematics 1	1.0	4	MAT 31101	Mathematics 3	1.0	2.5
MAT 31102	Mathematics 2	1.0	3	MAT 32102	Mathematics 4	1.0	3
SCI 31105	Sciences(Fundamental Astronomy)	1.5	3	SC 32191	Computing Science 2	0.5	4
SCI 31106	Sciences(Fundamental Physics)	1.5	3	SOC 32101	Social Religion and Cultural Studies	1.0	3.5
SC 31110	Biological Science	1.0	3.5	SOC 32103	Social Religion and Cultural Studies	1.0	3
ST 31112	Physical Science 2	1.0	3	SO 32105	Religious Studies 3	0.5	2.5
SC 31195	Computing Science 1	1.0	4	SO 32106	Religious Studies 4	0.5	3
SOC 31101	Social Religion and Cultural Studies	1.0	3.5	HPE 32101	Health and Physical Education	0.5	3.5
SOC 31103	Social Religion and Cultural Studies	1.0	2	HPE 32102	Health and Physical Education	0.5	4
SO 31105	Religious Studies 1	0.5	4	ART 32101	Art	0.5	4
SO 31106	Religious Studies 2	0.5	3.5	ART 32102	Art	0.5	4
HPE 31101	Health and Physical Education	0.5	4	OC 32103	Occupation 3	0.5	4
HPE 31102	Health and Physical Education	0.5	4	OC 32104	Occupation 4	0.5	4
ART 31101	Art	0.5	4	ENG 32101	English 3	1.0	2.5
ART 31102	Art	0.5	4	ENG 32102	English 4	1.0	3
OC 31103	Occupation 1	0.5	4		<b>** Additional Subjects **</b>		
OC 31104	Occupation 2	0.5	4	MAT 32201	Additional Mathematics3	2.0	1.5
ENG 31101	English 1	1.0	4	MAT 32202	Additional Mathematics4	2.0	2
ENG 31102	English 2	1.0	2.5	SCI 32203	Physics 3	2.0	1
	<b>** Additional Subjects **</b>			SCI 32204	Additional Physics 3	2.0	2
THA 30201	Information of Library 1	0.5	4	SCI 32223	Chemistry 2	1.5	1.5
MAT 31201	Additional Mathematics1	2.0	2.5	ST 32230	Chemistry	2.0	1.5
MAT 31202	Additional Mathematics2	2.0	2	SCI 32244	Additional Biology 3	1.5	2.5
SCI 30293	Computer mathematics	1.0	4	ST 32253	Biology 3	2.0	1.5
SCI 31201	Physics 1	2.0	2	SC 32265	Earth Science and Astronomy 3	1.0	2.5
SC 31227	Chemistry 1	2.0	2.5	ST 32267	Earth Science and Astronomy 2	1.0	2.5
SC 31248	Biology 1	2.0	2	ST 32292	Design and Technology 2	0.5	3
SC 31261	Earth Science and Astronomy 1	1.0	2.5	SOC 30201	Citizenship 1	0.5	4
ST 31292	Design and Technology 1	0.5	3.5	SOC 30202	Citizenship 2	0.5	4
HPE 31201	Additional Physical Education 1	0.5	4	HPE 32201	Additional Physical Education 3	0.5	4
HPE 31202	Additional Health and Physical...	0.5	4	HPE 32202	Additional Health and Physical..	0.5	4
ENG 31201	Listening and Speaking 1	1.0	4	ENG 32215	Listening and Speaking 3	1.0	4
ENG 31202	Listening and Speaking 2	1.0	4	ENG 32216	Listening and Speaking 4	1.0	4
I 30201	Research and Knowledge Formation	1.0	4		<b>** Self Development Activities **</b>		
I 30202	Communication and Presentation	1.0	4		Academic Club		S
	<b>** Self Development Activities **</b>				Academic Club		S
	Social Service Activity (IS3)		S		Moral & Ethics Activities		S
	Academic Club		S		Moral & Ethics Activities		S
	Academic Club		S		Guidance Activities		S
	Morality Activities		S		Guidance Activities		S
	Morality Activities		S		Social & Public Care Activities		S
	Guidance Activities		S		Social & Public Care Activities		S
	Guidance Activities		S		<b>** Assessment **</b>		
	Social & Public Care Activities		S		Affective Attitudes 3		3
	Social & Public Care Activities		S		Affective Attitudes 4		3
	<b>** Assessment **</b>				Reading Analytical Mind Writing 3		3



Course No	GRADE 12 Title of Courses	Sem Units	Grade
	3 rd Year 2024		3
	** Basic Subjects **		3
THA 33101	Thai Language	1.0	3
MAT 33101	Mathematics 5	1.0	3
SCI 33191	Computing Science 3	0.5	4
SO 33103	History	1.0	2
HPE 33101	Health and Physical Education	0.5	4
ART 33101	Art	0.5	4
ENG 33101	English 5	1.0	3.5
	** Additional Subjects **		
MAT 32201	Additional Mathematics 5	2.0	3
SCI 33203	Physics 4	2.0	2.5
SC 33233	Chemistry 4	2.0	2.5
SC 33255	Biology 4	2.0	2.5
SC 33267	Earth Science and Astronomy 4	1.0	3
SOC 30203	Citizenship 3	0.5	4
HPE 33201	Additional Physical Education 5	0.5	4
ENG 33215	Listening and Speaking 5	1.0	4
	** Self Development Activities **		
	Academic Club		S
	Moral & Ethics Activities		S
	Guidance Activities		S
	Social & Public Care Activities		S
	** Assessment **		
	Affective Attitudes 5		3
	Reading Analytical Mind Writing 5		3

## REQUIREMENTS OF GRADUATION

1. Meet the requirement of the curriculum structure of 81 units of study
2. Earn units of all subjects enrolled.
3. Earn a minimum of 81 units of study.
4. Satisfactorily participate in an development activity course, assessment analytical skills and assessment desirable skills in every semester up to 6 semesters.

## SUBJECT AND ACTIVITY GRADING

- 4 = Excellent      3.5 = Very good      3 = Good  
 2.5 = Rather Good      2 = Satisfactory      1.5 = Fair  
 1 = Passed low standard      0 = Below standard  
 I = Incomplete      A = Audit  
 S = Satisfactory, meet the requirement of at least 80 % of class attendance and pass objectives emphasized for development activity.  
 U = Unsatisfactory, fail to meet the requirement of at least 80 % of class attendance and do not pass objectives emphasized for development activity.  
 UE = Unqualified for the final examination, fail to meet the requirement of 80 % of class attendance.

## ASSESSMENT GRADING

- 1 = Passing      2 = Satisfactory      3 = Superior

## TOTAL UNITS

Academic Year	Units of Basic Subject courses		Units of Additional Subject courses	
	Enrolled	Passed	Enrolled	Passed
2022	18.0	18.0	18.0	18.0
2023	12.5	12.5	21.5	21.5
2024	5.5	5.5	11.0	11.0
Total Units	36.0	36.0	50.5	50.5
Total Units Enrolled : 86.5				
Total Units Earned : 86.5				
GPA : 2.87				

Date of Graduation :

Date of Leaving :

## REMARK

( Mr. Rakpan Theppan )

Registrar

October 22, 2024





Test Report Form

ACADEMIC

**NOTE** Admission to undergraduate and post graduate courses should be based on the ACADEMIC Reading and Writing Modules. GENERAL TRAINING Reading and Writing Modules are **not** designed to test the full range of language skills required for academic purposes. It is recommended that the candidate's language ability as indicated in this Test Report Form be re-assessed **after two years** from the date of the test. To find out more about IELTS, IELTS band scores and the CEFR levels, please visit [ielts.org/scores](https://ielts.org/scores)

Centre Number	TH011	Date	03/NOV/2024	Candidate Number	511354
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Candidate Details

Family Name	KAMONRATTANAMONGKON
First Name(s)	TANATORN
Candidate ID	1101700419967



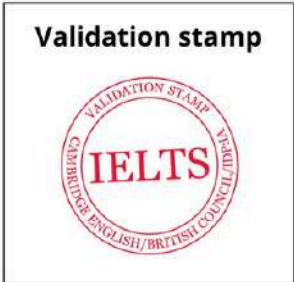
Date of Birth	02/01/2007	Sex (M/F)	M	Scheme Code	Private Candidate
Country or Region of Origin					
Country of Nationality	THAILAND				
First Language	THAI				

Test Results

Listening	5.5	Reading	5.5	Writing	5.5	Speaking	5.0	Overall Band Score	5.5	CEFR Level	B2
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Administrator Comments

Recognising organisations must verify this score at [ielts.org/verify](https://ielts.org/verify)



Date	05/11/2024	Test Report Form Number	24TH511354KAMT011A
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Faculty of Engineering  
King Mongkut's Institute of Technology Ladkrabang

Dear Admissions Committee,

I am delighted to recommend Tanatorn Kamonrattanamongkon, known as Cheer, for his admission to your prestigious university. As Cheer's English teacher, I have had the pleasure of witnessing his exceptional talents, intellectual curiosity, and unwavering commitment to his academic and extracurricular pursuits. His impressive accomplishments and technical skills made him an outstanding candidate for your Software Engineering program.

Cheer had distinguished himself through his participation in various competitions. He has excelled in three game contests, achieving placements of 5<sup>th</sup>, 10<sup>th</sup>, and 4<sup>th</sup> in camp settings. Additionally, he has demonstrated his computing prowess through three computing and IT contests, where he consistently showcases his technical expertise. Cheer's accomplishments are a testament to his dedication, resilience and competitive spirit.

Beyond his achievements in competitions, cheer possess a strong foundation in programming. He is skilled in C# programming and has even represented the school in a public parade, an honor that highlights his dedication to both his studies and his community. His technical abilities, paired with his disciplined approach to learning, reflect his readiness for the challenges of higher education in Software Engineering.

In the classroom, Cheer demonstrates strong analytical skills, linguistic capability, and a keen interest in continuous improvement. His proficiency in English allows him to engage in complex discussions and approach assignments with a thoughtful perspective, skills that will be invaluable in an international academic environment. Cheer is not only academically talented but also a supportive and collaborative classmate, bringing positivity and enthusiasm to every group project and discussion.

Thank you for considering Tanatorn Kamonrattanamongkorn's application. I have no doubt that he will make valuable contributions to your program and excel in all his endeavors.

Sincerely,



Mr. Eric Gare Salvana  
English Teacher  
Ericgare30@gmail.com

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Aron Malapit Hilay friamudomsuksa  
Pattanakarn School Pattanakarn 58, Suan  
Luang, Suan Luang Bangkok, Thailand  
10250

November 8, 2024

Faculty of Engineering  
King Mongkut's Institute of Technology Ladkrabang

To whom it may concern,

I am writing to offer my reference and recommendation for Mr. Tanatarn Kamonrattanamongkon, a student at Triamudomsuksa Pattanakarn School in Bangkok.

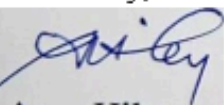
It is my great privilege to recommend Mr. Tanatarn Kamonrattanamongkon, who is a current student in my 12th-grade English class. Mr. Kamonrattanamongkon is an outstanding and diligent student who has consistently shown exceptional effort and progress throughout the school year, adding a dynamic presence to the classroom. His dedication to his studies is unwavering, and he actively participates in all lessons. Mr. Tanatarn Kamonrattanamongkon possesses strong leadership abilities, which he has demonstrated through persistent effort and determination. He completes all assignments with efficiency and thoroughness. I wholeheartedly recommend Mr. Kamonrattanamongkon for admission to your prestigious institution.

As his English teacher, I have been greatly impressed by Mr. Kamonrattanamongkon's academic performance. He has the ability to successfully manage multiple tasks and achieve positive results, even under strict deadlines.

I am confident that Mr. Tanatarn Kamonrattanamongkon is an ideal candidate who would make the most of the opportunity to contribute to your organization. His level of responsibility and reliability is commendable for his age, and he will undoubtedly adapt smoothly to new environments.

In conclusion, I strongly endorse Mr. Tanatarn Kamonrattanamongkon for admission. Should you have any further inquiries regarding his qualifications or this recommendation, please feel free to contact me.

Sincerely,



Aron Hilay  
English Teacher

# Personal Statement

As a child, I was curious about the insides of computers. This curiosity has evolved into a passion for creating functioning software. I didn't just want to look at or understand what a computer was doing; I wanted to do those operations, but better—to operate on another level. I want to study software engineering at King Mongkut's Institute of Technology Ladkrabang because I'm passionate about how technology can change the world. The unique course lineup in this program, which includes Software Architecture, Data Structures, Artificial Intelligence, and Software Project Management, excites me. I'm looking forward to exploring these topics and learning from professors who are experts in their fields, with KMITL's strong focus on technology and innovation, plus its great facilities.

In middle school, although mathematics was my distinctive point, I had no particular interest in any specific field. However, during the three years studying at Triamudomsuksa Pattanakarn in high school, I invited my friend to try creating a game together. Afterward, I started gathering information from various sources and learned from mentors in the Hamster Hub camp. I began with basic programming languages and gradually expanded my knowledge. I joined a 5-day team game development competition organized by Hamster Hub. It was my first time competing, so my time management wasn't great. But I got a lot of helpful advice from others, which really helped me improve. In the second competition, I learned from the mistakes that we made the first time. I carefully planned each team member's responsibilities and oversaw coding the gun mechanics. Even though we finished 10th out of 21 teams, this was my favorite competition because I was proud to have completed a game on time and also improved my teamwork skills.



Moreover, my older brother is in his second year studying AI Robotics, and he inspires me. I admire him as well. I want to improve my English, so I speak in English with him or watch movies that are in English every day. He motivates me with my studies, and given that he is successful in his own endeavors scholastically, I see him as a role model to aspire to surpass.

In my view, KMITL is well-known and respected for its Faculty of Engineering and strong curriculum. I love hands-on work, and I've seen that KMITL offers a lot of lab sessions, which give great chances to gain real practical skills.

Another highlight is that during junior and senior years, there is a specialization in Artificial Intelligence available, which aligns with my plans. After graduation, I aspire to develop health-related applications. I was inspired by a weight-loss app I used, which helped me lose weight. It made it easier for me to stick to a regular exercise routine, allowing me to apply and expand my knowledge. I hope that when people use my app and it genuinely benefits them, it will inspire me to keep improving and developing it further.

Thank you for considering it.

Tanatorn Kamonrattanamongkon



# IMPRESSIVE PROJECT



INTCH.IO



GITHUB



This is the project I am most proud of. In this team-based game development competition with five members, where we placed 10th out of 21, I created my first 2D game with a challenging gameplay style. I also took responsibility for the gun system, which became my favorite aspect of the project because I had the opportunity to learn new skills that I had never tried before, such as designing 2D games and managing the gun system.



# PROJECT



This was my first game development competition, a 5-person team event, where I placed 5th out of 12. It was a valuable experience that helped me grow.

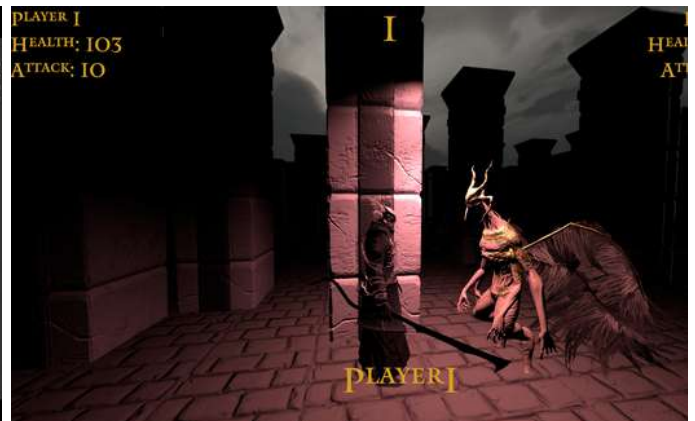
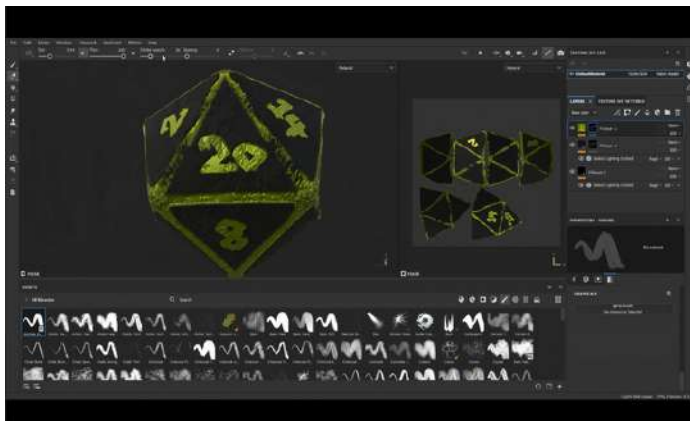
INTCH.IO







# PROJECT



INTCH.IO



GITHUB



This was my third team competition with 5 members, where we placed 4th out of 33. In this project, I was responsible for the scene transition system, setting camera angles, and collaborating with my teammates on different aspects of the game mechanics. It helped me realize my strong interest in this field.



### Computer Problem-Solving Competition

I participated in the UTCC Digital Challenge 2024, a computer quiz competition.



I participated in the ICT Challenge 2024, a computer and IT competition.



### Workshop

Workshop on Computer Hardware and the Internet (KMITL).



Workshop on Software Technology (KMITL).





# CERTIFICATES



I have participated in and studied in the Pre-Engineering School program for 2024 (KMITL).



I participated in studying knowledge related to information technology at (KMITL).



The basics of using Python.



Knowledge in various skills and abilities.



I represented my school in the parade.



I represented my school in the parade.