

Sithsakorn Jantrakul (Marc)

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EDUCATION**Ruamrudee International School**

March 2020 - Present

- **AP Courses Taken:** Physics I, World History, Precalculus, Computer Science, English Literature, Environmental Science
 - **AP Courses (Grade 12):** Physics II, Calculus AB/BC, Advanced Computer Science, Statistics, Chemistry
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EXTRACURRICULAR ACTIVITIES**Future of Good Life Project (*Founder, Inventor*)**

June 2022 – Present

- Researched and studied alternative water management techniques with Peter Bracher, an expert in low-carbon rice farming.
- Led workshops on low-carbon rice farming for students at British Club Bangkok and farmers in districts such as Doembang Nangbuat and Pasakae, Suphanburi.
- Expanded farmer participation from 50 farmers (200 acres) to over 150 farmers (800 acres).
- Collaborated with SCI farm auditors to develop innovative technologies for faster low-carbon rice verification.
- Helped farmers increase crop yield while reducing carbon emissions by 40%.
- Partnered with SCG and Siam Kubota Farm to host exhibitions, reaching over 250 farmers from various provinces in Siam Kubota Farm at Chonburi.
- Worked with the Thai government to promote low-carbon rice farming among young smart farmers, contributing to the national goal of 4 million acres of sustainable agriculture.
- Invited to showcase low-carbon rice (Pathumthani Jasmine Rice) at the **Thailand Rice Fest**.
- Shortlisted in the **Gulfood 2025 Innovation Award** (Lifetime Excellence Award Category) in Dubai.

VEX V5 Robotics Team (*Inventor, Team Leader*)

March 2024 – Present

- Founded an independent robotics team with five members from different international schools.
- Led the team "**Robot of The Ring V.2**" to compete in VEX Robotics tournaments in 2024-2025.
- **Awards & Achievements:**
 - **2nd Place** – VEX Robotics V5 Thailand High School Tournament 2024
 - **1st Place** – Excellence Award, VEX V5 Thailand National Championship 2025
 - **Qualified for the VEX World Robotics Championship 2025** in Dallas, USA.
 - **1st Place** – Innovate Award, VEX V5 Thailand Cup 2025

RiceSense (*Inventor*)

October 2024 – Present

- Developed a low-cost device for real-time water measurement and certification of low-carbon rice fields.
- Designed for easy use by older farmers, reducing reliance on smartphones or advanced technology.
- Received recognition for scalability and cost-efficiency in helping Thailand achieve its low-carbon rice farming goals.

SJ Scoreboard (*Founder, Software Developer*)

October 2024 – Present

- Developed a web-based grading system for schools in rural areas of Thailand lacking formal grading infrastructure.
- Implemented an individual student view feature for **Father Ray Technological College** to ensure privacy and accessibility.

StemMark (*Founder*)

November 2024 – Present

- Created educational STEM toy kits for elementary students to reduce screen time during school breaks.
- Raised funds through sales to expand the initiative and donate STEM kits to underprivileged schools.

Safetrak (*Founder, Innovator*)

January 2025 – Present

- Designed a **smart wheelchair** for disabled students at **Pattaya Redemptorist Technological College**.
- Implemented sensors that detect unsafe sitting positions and alert teachers via a mobile application.
- Engineered a mechanism for smoother wheelchair navigation on rough terrain.

Future of Good Life Book (*Author*)

January 2025 – Present

- Authored a book documenting the journey of the **Future of Good Life** project to inspire youth in sustainable innovation.
- Presented at the **Bangkok International Book Fair 2025**.
- Distributed copies to over **10 schools** across Thailand, including in Pathumthani, Pattaya, Ubon Ratchathani, Sisaket, and Surin.
- Created a **braille version** for visually impaired students and donated **500 copies** to schools for the blind.

Students of Sustenance RIS (*Committee Member*)

August 2024 – Present

- Addressing food insecurity and minimizing food waste in vulnerable communities.

Father Ray Foundation Club (RIS) (*Member*)

August 2024 – Present

- Supporting initiatives for individuals with disabilities through fundraising, awareness campaigns, and educational workshops.
- Assisting in the development of accessible technologies and projects to improve the quality of life for disabled students.

Chinese Culture Club RIS (*Member*)

August 2022 – Present

- Assisted in organizing cultural events such as **Chinese New Year celebrations, Cultural Week, and the International Food Fair**.

Educatory X Club RIS (*Member*)

August 2022 – 2024

- Raised funds to provide stationery for students in rural Northern Thailand (Chiang Mai and Chiang Rai).
 - Taught **English and Mathematics** to underprivileged students in remote areas.
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UNIVERSITY PROGRAMS & HONORS

- **University of California, Berkeley (2024):** Pre-College Student Ambassador in **Computer Science (2024-25)**
 - **University of Delaware (2025):** Limitless World Summit Ambassador, Emerging Innovator Award Category
 - Connected with global entrepreneurs and innovators
 - Participated in **innovation sprints**, hands-on workshops, and leadership training
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AWARDS & HONORS

- **Excellence Award (2025)** – Thailand National Championship, VEX V5 Robotics (High School)
 - **Innovate Award (2025)** – Thailand Cup, VEX V5 Robotics
 - **World Robotics Championship (2025)** – Qualified as **Thailand's national representative** to compete in **Dallas, USA (May 2025)**
 - **Minister's Award for "Outstanding Thai National Youth in Innovation" (2025)** – Ministry of Agriculture & Cooperatives (For Future of Good Life Project)
 - **Thailand New Generation Innovators Award (2025)** – Ministry of Agriculture & Cooperatives (For RiceSense Device)
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SKILLS

- **Technical Skills:** Programming (Python, JavaScript, Web Development), Robotics (VEX V5), Data Analysis, AI & IoT Applications
 - **Languages:** English, Thai (Native)
 - **Leadership & Public Speaking:** Seminar Leader, Workshop Facilitator, Conference Speaker
 - **Collaboration & Networking:** Worked with government agencies, private sectors, NGOs, and farmers to promote sustainable agriculture
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