ธีรพงศ์ ปานบุญยืน (Teerapong Panboonyuen)

* Research Scientist at **MARS (Motor AI Recognition Solution)**

* Postdoctoral Research Fellow at **Chulalongkorn University**

ข้อมูลติดต่อ

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teerapong.pa@chula.ac.th

เว็บไซต์ https://kaopanboonyuen.github.io

ความสนใจ

Human-AI Interaction; Computer Vision; Large Language Models (LLMs); Applied Earth Observations; Geoscience

การศึกษา

นักวิจัยหลังปริญญาเอก (C2F)
2025 - 2026
จุฬาลงกรณ์มหาวิทยาลัย (คณะวิศวกรรมศาสตร์)

นักวิจัยหลังปริญญาเอก (RRF)
2021 - 2025
จุฬาลงกรณ์มหาวิทยาลัย (ภาควิชาวิศวกรรมคอมพิวเตอร์)

ปริญญาเอกสาขาวิศวกรรมคอมพิวเตอร์
2017 - 2020
จุฬาลงกรณ์มหาวิทยาลัย (GPA: 4.00/4.00)

ปริญญาโทสาขาวิศวกรรมคอมพิวเตอร์
2015 - 2016
จุฬาลงกรณ์มหาวิทยาลัย (GPA: 4.00/4.00)

ปริญญาตรีสาขาวิศวกรรมคอมพิวเตอร์
2012 - 2015
พระจอมเกล้าพระนครเหนือ (คะแนนสูงสุด 1% แรกในคณิตศาสตร์มหาวิทยาลัย)

โรงเรียนเตรียมวิศวกรรม (PET21)
2010 - 2012
พระจอมเกล้าพระนครเหนือ (โรงเรียนมัธยมปลาย)

ประสบการณ์ทำงาน

นักวิทยาศาสตร์การวิจัยอาวุโส
2022 - ปัจจุบัน
MARS (Motor AI Recognition Solution)

อาจารย์พิเศษ
2023 - ปัจจุบัน
วิทยาลัยการคอมพิวเตอร์ มหาวิทยาลัยขอนแก่น

นักวิจัยหลังปริญญาเอก
2021 - ปัจจุบัน
คณะวิศวกรรมศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย

นักวิจัยด้าน AI และนักวิทยาศาสตร์ข้อมูล
2020 - 2021
CJ Express Group และ CJ Express Tech (TILDI)

ผู้ช่วยสอนระดับบัณฑิตศึกษา **2015 - 2022**
คณะวิศวกรรมศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย

รางวัล

- ทุนการศึกษาเพื่อเฉลิมฉลองวโรกาสที่พระบาทสมเด็จพระเจ้าอยู่หัวทรงเจริญพระชนมายุครบ 72 พรรษา (ปริญญาโท)
- ทุนการศึกษาเพื่อเฉลิมฉลองครบรอบ 100 ปี จุฬาลงกรณ์มหาวิทยาลัย (ปริญญาเอก)
- ทุนการศึกษาเพื่อเฉลิมฉลองครบรอบ 90 ปี จุฬาลงกรณ์มหาวิทยาลัย (ปริญญาเอก)
- ทุน Global Young Scientists Summit (GYSS) จากกรมสมเด็จพระเทพรัตนราชสุดา เจ้าฟ้ามหาจักรีสิรินธร
- ทุนวิจัย Ratchadapisek Research Funds (RRF) สำหรับทุนหลังปริญญาเอก, จุฬาลงกรณ์มหาวิทยาลัย (2021-2025)
- ทุนวิจัย The Second Century Fund Office (C2F) สำหรับทุนหลังปริญญาเอก, จุฬาลงกรณ์มหาวิทยาลัย (2025-2026)
- คะแนนสูงสุด 1% ลำดับแรกในคณิตศาสตร์เชิงอนุพันธ์และคณิตศาสตร์วิศวกรรมของมหาวิทยาลัย
- ผู้ตรวจสอบบทความในวารสาร/การประชุมระดับนานาชาติ: ดูรายละเอียดเพิ่มเติมได้ที่ WOS ID: AAO-4985-2020
- ผู้สำเร็จการวิ่งมาราธอนกรุงเทพฯ 42.195 กม.** สำเร็จการวิ่งมาราธอนเต็มรูปแบบ (42.195 กิโลเมตร) (Bangkok Marathon ปี 2022)
- ผู้สำเร็จการแข่งขัน IRONMAN 70.3** สำเร็จการแข่งขันไตรกีฬาอันทรหดประกอบด้วยการว่ายน้ำ 1.9 กม., ปั่นจักรยาน 90 กม., และวิ่ง 21.1 กม. (IM70.3, Bang Saen ปี 2024)
- รางวัลบทความที่ดีที่สุดในระดับนักศึกษาในการประชุมวิชาการนานาชาติด้านการคอมพิวเตอร์และเทคโนโลยีสารสนเทศ IC2IT2017
- รางวัลบทความนักวิจัยอายุน้อยที่ดีที่สุดในการประชุมวิชาการนานาชาติครั้งที่ 1 ด้านเทคโนโลยีอัจฉริยะและการพัฒนาเมือง STUD2019

การตีพิมพ์

1. **Panboonyuen, Teerapong**. SEA-ViT: Sea Surface Currents Forecasting Using Vision Transformer and GRU-Based Spatio-Temporal Covariance Modeling. *arXiv preprint* (KST2025). https://arxiv.org/abs/2409.16313
2. **Panboonyuen, Teerapong**. REG: Refined Generalized Focal Loss for Road Asset Detection on Thai Highways Using Vision-Based Detection and Segmentation Models. *arXiv preprint* (KST2025). https://arxiv.org/abs/2409.09877
3. **Panboonyuen, Teerapong**, et al. GuidedBox: A Segmentation-Guided Box Teacher-Student Approach for Weakly Supervised Road Segmentation. *European Journal of Remote Sensing* (2024). [Pending acceptance] https://kaopanboonyuen.github.io/GuidedBox
4. **Panboonyuen, Teerapong**, et al. SatDiff: A Stable Diffusion Framework for Inpainting Very High-Resolution Satellite Imagery. *IEEE Access* (2025). [Accepted] https://github.com/kaopanboonyuen/SatDiff
5. **Panboonyuen, Teerapong**, et al. MeViT: A Medium-Resolution Vision Transformer for Semantic Segmentation on Landsat Satellite Imagery for Agriculture in Thailand. *Remote Sensing* 15.21 (2023): 5124. https://www.mdpi.com/2072-4292/15/21/5124
6. **Panboonyuen, Teerapong**, et al. MARS: Mask Attention Refinement with Sequential Quadtree Nodes for Car Damage Instance Segmentation. *International Conference on Image Analysis and Processing*. Cham: Springer Nature Switzerland, 2023. https://link.springer.com/chapter/10.1007/978-3-031-51023-6_3

7. **Panboonyuen, Teerapong, (Ph.D. thesis)** Semantic Segmentation on Remotely Sensed Images Using Deep Convolutional Encoder-Decoder Neural Network. *Doctor of Philosophy, Chulalongkorn University Theses and Dissertations (Chula ETD). 8534. (2019). https://digital.car.chula.ac.th/chulaetd/8534/

8. **Panboonyuen, Teerapong, (Graduate thesis)** Semantic Road Segmentation on Remotely-Sensed Images Using Deep Convolutional Neural Networks and Landscape Metrics. *Master of Engineering, Chulalongkorn University Theses and Dissertations (Chula ETD). (2016). https://www.car.chula.ac.th/display7.php?bib=2156287

9. **Panboonyuen, Teerapong**, et al. Object Detection of Road Assets Using Transformer-Based YOLOX with Feature Pyramid Decoder on Thai Highway Panorama. *Information* 13.1 (2022): 5. https://www.mdpi.com/2078-2489/13/1/5

10. **Panboonyuen, Teerapong**, et al. Transformer-Based Decoder Designs for Semantic Segmentation on Remotely Sensed Images. *Remote Sensing* 13.24 (2021): 5100. https://www.mdpi.com/2072-4292/13/24/5100

11. **Panboonyuen, Teerapong**, et al. Semantic Labeling in Remote Sensing Corpora Using Feature Fusion-Based Enhanced Global Convolutional Network with High-Resolution Representations and Depthwise Atrous Convolution. *Remote Sensing* 12.8 (2020): 1233. https://www.mdpi.com/2072-4292/12/8/1233

12. **Panboonyuen, Teerapong**, et al. Semantic Segmentation on Remotely Sensed Images Using an Enhanced Global Convolutional Network with Channel Attention and Domain Specific Transfer Learning. *Remote Sensing* 11.1 (2019): 83. https://www.mdpi.com/2072-4292/11/1/83

13. **Panboonyuen, Teerapong**, et al. Road Segmentation of Remotely-Sensed Images Using Deep Convolutional Neural Networks with Landscape Metrics and Conditional Random Fields. *Remote Sensing* 9.7 (2017): 680. https://www.mdpi.com/2072-4292/9/7/680

14. **Panboonyuen, Teerapong**, et al. An Enhanced Deep Convolutional Encoder-Decoder Network for Road Segmentation on Aerial Imagery. *International Conference on Computing and Information Technology*. Springer, Cham, 2017. https://www.mdpi.com/2072-4292/9/7/680

15. **Panboonyuen, Teerapong**, et al. Image Vectorization of Road Satellite Data Sets. *Journal of Remote Sensing and GIS Association of Thailand* (2017). https://learn.gistda.or.th

16. Wichakam, I., **Panboonyuen, T.**, Udomcharoenchaikit, C., and Vateekul, P. Real-Time Polyps Segmentation for Colonoscopy Video Frames Using Compressed Fully Convolutional Network. *International Conference on Multimedia Modeling* (2018): 393-404. https://link.springer.com/chapter/10.1007/978-3-319-73603-7_32

17. Vajeethaveesin, T., **Panboonyuen, T.**, et al. A Performance Comparison between GIS-based and Neural Network Methods for Flood Susceptibility Assessment in Ayutthaya Province. *Trends in Sciences* 19.2 (2022): 2038. https://tis.wu.ac.th/index.php/tis/article/view/2038

18. Vateekul, P., **Panboonyuen, T.**, et al. Road Map Extraction from Satellite Imagery Using Connected Component Analysis and Landscape Metrics. *IEEE Big Data* (2017): 3435-3442. https://ieeexplore.ieee.org/document/8258330

19. Chantharaj, S., **Panboonyuen, T.**, et al. Semantic Segmentation on Medium-Resolution Satellite Images Using Deep Convolutional Networks with Remote Sensing Derived Indices. *JCSSE* (2018): 1-6. https://ieeexplore.ieee.org/document/8457378

20. Kantavat, P., **Panboonyuen, T.**, et al. Transportation Mobility Factor Extraction Using Image Recognition Techniques. *STUD 2019*. https://ieeexplore.ieee.org/document/9018796

21. Intarat, K., **Panboonyuen, T.**, et al. Enhanced Feature Pyramid Vision Transformer for Semantic Segmentation on Thailand Landsat-8 Corpus. *Information* (2022). https://www.mdpi.com/2078-2489/13/5/259

22. Thitisiriwech, K., **Panboonyuen, T.**, et al. The Bangkok Urbanscapes Dataset for Semantic Urban Scene Understanding Using Enhanced Encoder-Decoder Networks. *IEEE Access* (2022). https://ieeexplore.ieee.org/document/9779212

23. Thitisiriwech, K., **Panboonyuen, T.**, et al. Quality of Life Prediction in Driving Scenes on Thailand Roads Using Deep Convolutional Neural Networks. *Sustainability* 15.3 (2023): 2847. https://www.mdpi.com/2071-1050/15/3/2847

24. Intarat, K., **Panboonyuen, T.**, et al. Deep Residual Neural Networks with Self-Attention for Landslide Susceptibility Mapping in Uttaradit Province, Thailand. *GIS-IDEAS: Advancing Geospatial Innovation*. (2024). https://gis-ideas.org/2024

ประสบการณ์วิจัยและการทำงานที่ผ่านมา

- **MARS, Senior Research Scientist** — Bangkok
  (Motor AI Recognition Solution) — 2022–Present
  Manager: Naruepon Pornwiriyakul, Lead Researcher: Kao Panboonyuen
  - Pioneered the development of the MARS AI Model, presented at ICIAP 2023, Italy.
  - Initiated projects on Explainable AI, Instance Segmentation, and Semantic Distillation.
  - Integrated Agentic AI as APIs for auto insurance and garage service enhancements.

- **Khon Kaen University, Visiting Faculty** — Khon Kaen
  Special Lecturer in AI and Data Science — 2021–Present
  Coordinator: Chanon Dechsupa
  - Delivered courses such as Artificial Intelligence and Smart Process Management.
  - Authored refined syllabi and received recognition via ministerial orders:
  - Order 5907-2566.
  - Orders 660301.26-24844, and 660101.26-13320.

- **CJ Express Group, AI Research Scientist (Department Manager)** — Bangkok
  Data Innovation Laboratory — 2020–2021
  Managers: Narong Intiruk (CJ), Jarun Ngamvirojcharoen (TILDI)
  - Spearheaded the development of demand forecasting systems using PySpark and Cognitive Computing, significantly enhancing retail operational efficiency.
  - Optimized time-series forecasting for retail using advanced stats, machine learning (e.g., Gradient Boosting), and cutting-edge techniques like deep learning and ensemble methods.
  - Engineered scalable solutions on Google Cloud to streamline data pipelines and ensure reliable model deployment in production environments.
  - Integrated MLOps practices to automate machine learning workflows, improving model lifecycle management and deployment efficiency.

- **Chulalongkorn University, Graduate Teaching Assistant** — Bangkok
  Machine Intelligence and Knowledge Discovery Lab — 2016–2020
  Mentor: Peerapon Vateekul
  - Co-taught courses like **Big Data Tools**, **Python**, **Data Science and Engineering**, among others. https://github.com/kaopanboonyuen/2110446_DataScience_2021s2
  - Delivered online courses on Data Analytics and Big Data through Chula MOOC.
  - Researched Transformer-based decoder designs, leveraging Swin Transformer to achieve state-of-the-art. https://github.com/kaopanboonyuen/FusionNetGeoLabel

- **GISTDA, Freelance AI Specialist** — Bangkok
  (Geo-Informatics and Space Technology Development Agency) — 2016–2020
  Manager: Siam Lawawirojwong

- Developed LULC mapping systems using Vision Transformers and Graph Neural Networks.
- Built systems for forest fire classification in LANDSAT-8 satellite imagery.

- **DEPA, AI Researcher (PT)** Bangkok
  (Digital Economy Promotion Agency) 2019–2020
  Coordinator: Preesan Rakwatin

  - Developed an unsupervised system to classify sugarcane plantations in Thailand using satellite imagery.
  - Designed and trained models for delineating sugarcane field boundaries in Thailand, employing DETR architectures with collaborative hybrid assignment training methodologies.

- **Centaco Farm Company Limited, Data Scientist (PT)** Bangkok
  Applied AI for Livestock 2019–2020
  Manager: Ms. Kung, Doctor of Veterinary Medicine

  - Designed a hatchability prediction model for broiler chickens using regression analysis.
  - Solved quadratic relationships in breeder age and hatchability predictions.

- **Bangkok Innovation House, Lead Data Science Mentor (PT)** Bangkok
  Data Science Pathway Team, Chula MOOC 2018–2020
  Manager: Pahnit Seriburi

  - Served as **Head TA** for the data science pathway team at Chula MOOC.
  - Spearheaded volunteer teaching in Practical Data Analytics using RapidMiner and Python.
  - Delivered hands-on learning experiences, helping students gain practical skills in data science. https://github.com/kaopanboonyuen/Python-Data-Science

- **Chulalongkorn University, Postdoctoral Researcher** Bangkok
  Advancing Geoscience Laboratory 2021–Present
  Co-authors: Chalermchon Satirapod (Head), Chaiyut Charoenphon

  - Researched sequence-to-sequence models for LULC classification on remote sensing corpora.

- **NetDesign School, Python Programming Trainer (PT)** Bangkok
  Training Program 2019–2019

  - Conducted Python programming training sessions at NetDesign School, located on the 4th floor of Siam Paragon, Bangkok.
  - Delivered beginner to intermediate-level Python courses, focusing on practical applications and problem-solving.
  - Empowered students with foundational coding skills to pursue further studies or career opportunities in programming.

- **Main Shipping Service, Computer Technical Support (PT)** Bangkok
  Network Infrastructure Team 2017–2020
  Managers: Mr. Deaw, Ms. Nueng

  - Designed and deployed functional networks, including WAN, LAN, and WLAN systems.
  - Configured and installed software, servers, routers, and various network devices to ensure seamless operation.
  - Maintained detailed technical documentation and recommended improvements for network performance, capacity, and scalability.

ผู้ตรวจสอบบทความในวารสาร/การประชุมระดับนานาชาติ

- ACM Transactions on Privacy and Security (Publisher: ACM)
- ACM Transactions on Knowledge Discovery from Data (Publisher: ACM)
- ACM Transactions on Intelligent Systems and Technology (Publisher: ACM)
- ACM Transactions on Autonomous and Adaptive Systems (Publisher: ACM)
- ACM Transactions on Transactions on Spatial Algorithms and Systems (Publisher: ACM)
- ACM Transactions on Multimedia Computing Communications and Applications (TOMM)
- Journal of Vibration and Control (Publisher: Springer)
- Biomedical Engineering/Biomedizinische Technik (Publisher: Springer)
- Food Bioengineering (Publisher: Springer)
- AI in Precision Oncology (Publisher: Springer)
- Acta Oceanologica Sinica (Publisher: Springer)
- Robotica (Publisher: Springer)
- Journal of Harbin Institute of Technology (New Series) (Publisher: Springer)
- Nuclear Science and Techniques (Publisher: Springer)
- European Journal of Remote Sensing (Publisher: Taylor and Francis)
- Geo-spatial Information Science (Publisher: Taylor and Francis)
- Computer Methods in Biomechanics and Biomedical Engineering
- Journal of Intelligent Transportation Systems: Technology, Planning, and Operations
- Journal of Spatial Science (Publisher: Taylor and Francis)
- Smart Science (Publisher: Taylor and Francis)
- Geocarto International (Publisher: Taylor and Francis)
- Smart Science (Publisher: Taylor and Francis)
- International Journal of Remote Sensing (Publisher: Taylor and Francis)
- International Journal of Image and Data Fusion (Publisher: Taylor and Francis)
- International Journal of Digital Earth (Publisher: Taylor and Francis)
- International Journal of Building Pathology and Adaptation (Publisher: Taylor and Francis)
- International Journal of Imaging Systems and Technology (Publisher: Wiley) – **Certificate**
- International Journal of Circuit Theory and Applications (Publisher: Wiley)
- Journal of Phytopathology (Publisher: Wiley)
- Transactions in GIS (Publisher: Wiley) – **Certificate**
- Applied AI Letters (Publisher: Wiley) – **Certificate**
- Engineering Reports (Publisher: Wiley) – **Certificate**
- Expert Systems (Publisher: Wiley) – **Certificate**

- IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI)
- IEEE Transactions on Geoscience and Remote Sensing (Publisher: IEEE)
- IEEE Transactions on Artificial Intelligence (Publisher: IEEE)
- IEEE Transactions on Big Data (Publisher: IEEE)
- IEEE Transactions on Medical Imaging (Publisher: IEEE) – **Certificate**
- IEEE Transactions on Image Processing (Publisher: IEEE)
- IEEE Transactions on Aerospace and Electronic Systems (Publisher: IEEE)
- IEEE Transactions on AgriFood Electronics (Publisher: IEEE)
- IEEE Transactions on Human-Machine Systems (Publisher: IEEE)
- IEEE Transactions on Circuits and Systems for Video Technology (Publisher: IEEE)
- IEEE Transactions on Radiation and Plasma Medical Sciences (Publisher: IEEE)
- IEEE Transactions on Emerging Topics in Computational Intelligence (Publisher: IEEE)
- IEEE Transactions on Computational Social Systems (Publisher: IEEE)
- IEEE Transactions on Vehicular Technology (Publisher: IEEE)
- IEEE Transactions on Systems, Man, and Cybernetics Systems (Publisher: IEEE)
- IEEE Access (Publisher: IEEE)
- IEEE MultiMedia (Publisher: IEEE)
- IEEE Consumer Electronics Magazine (Publisher: IEEE)
- IEEE Intelligent Systems (Publisher: IEEE)
- IEEE Journal of Biomedical and Health Informatics (Publisher: IEEE)
- PLOS ONE (Publisher: PLOS)
- IET Computer Vision (Publisher: IET) – **Certificate**
- IET Intelligent Transport Systems (Publisher: IET) – **Certificate**
- IET Smart Science (Publisher: IET)
- Electronics Letters (Publisher: IET)
- Remote Sensing (Publisher: MDPI)
- Forests (Publisher: MDPI)
- Agriculture (Publisher: MDPI)
- Agronomy (Publisher: MDPI)
- Mathematics (Publisher: MDPI)
- Sensors (Publisher: MDPI)
- Energies (Publisher: MDPI)
- Symmetry (Publisher: MDPI)
- ISPRS International Journal of Geo-Information (Publisher: MDPI)

- Big Data and Cognitive Computing (BDCC) (Publisher: MDPI)
- Mathematical and Computational Applications (MCA) (Publisher: MDPI)
- Processes (Publisher: MDPI)
- Journal of Vibration and Control (Publisher: SAGE)
- Research Methods in Medicine and Health Sciences (Publisher: SAGE)
- International Journal of High Performance Computing Applications (Publisher: SAGE)
- Ultrasonic Imaging (Publisher: SAGE)
- Composites and Advanced Materials (Publisher: SAGE)
- Science Progress (Publisher: SAGE)
- Part D: Journal of Automobile Engineering (Publisher: SAGE)
- Human-centric Computing and Information Sciences (Publisher: SpringerOpen)
- Journal of Computational Methods in Science and Engineering (Publisher: IOS Press)
- Journal of Chemical Engineering of Japan (Publisher: Society of Chemical Engineers, Japan)
- Industrial Lubrication and Tribology (Publisher: Emerald Group Publishing Ltd.)
- IETE Technical Review (Publisher: Emerald Group Publishing Ltd.)
- International Journal of Crowd Science (Publisher: Emerald Group Publishing Ltd.)
- Open Geosciences (Publisher: De Gruyter)
- GMSARN International Journal (Publisher: GMSARN)
- Machine Intelligence Research (Publisher: Engineered Science)
- Engineered Science (Publisher: Engineered Science)
- Digital Transportation and Safety (Publisher: Inderscience)

ทักษะ

- **ภาษาโปรแกรม:** Python, Java, Processing, C, R, MATLAB, Golang
- **เทคโนโลยี:** GCP, AWS, Docker-Compose, Kubernetes, Streamlit, Swagger UI
- **ซอฟต์แวร์และเครื่องมือ:** Git, RapidMiner Studio, Looker Studio, Tableau, Power BI
- **ห้องสมุดการเรียนรู้ของเครื่อง:** PyTorch, TensorFlow, Keras, Theano, Pandas, Scikit-Learn
- **ห้องสมุดอื่น ๆ:** Hugging Face, Gradio, GDAL, Beautiful Soup, Selenium, Plotly
- **การประเมินโมเดล:** Weights and Biases (WandB), TensorBoard, Streamlit
- **เทคนิค AI ขั้นสูง:** การสร้างผลลัพธ์ด้วยการดึงข้อมูล (RAG), โมเดลภาษาขนาดใหญ่ (LLMs)
- **GitHub:** มาดูโค้ดและสิ่งที่ผมกำลังสร้างที่ https://github.com/kaopanboonyuen

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Get to Know Me Better

- **Tech Enthusiast and Endurance Athlete**
  I am deeply passionate about using technology to drive positive change. When not immersed in code or research, you'll often find me training for marathons and triathlons, pushing my physical and mental limits, and embracing the challenges that come with endurance sports.

- **AI and Machine Learning Advocate**
  With a strong background in AI and deep learning, I thrive in developing solutions that leverage cutting-edge technologies. I take pride in transforming complex problems into scalable, efficient AI-driven solutions that can have a real-world impact.

- **Lifelong Learner**
  I'm always on the lookout for new ways to learn and grow, whether through exploring the latest technological innovations, diving into groundbreaking research, or engaging in conversations with other curious minds. Knowledge is my fuel!

- **Passionate About Mentorship**
  I believe in paying it forward by mentoring the next generation of engineers and developers. Sharing my knowledge and helping others achieve their potential is one of my greatest passions.

- **Adaptable and Solution-Oriented**
  I enjoy tackling new challenges and thrive in dynamic environments. Whether it's developing custom machine learning models or leading teams through difficult projects, I always stay focused on delivering the best solutions.

- **Innovative Problem Solver**
  I take a creative, innovative approach to problem-solving. From optimizing algorithms to enhancing system architectures, I look for ways to make systems smarter, faster, and more efficient.

- **Community-Oriented**
  Volunteering is a big part of who I am. I love connecting with people, sharing knowledge, and giving back to the community. It keeps me grounded and motivated to keep pushing forward.

- **Team Player and Leader**
  Whether collaborating with a team or leading a project, I prioritize communication, trust, and accountability. My leadership style is centered on empowering others and fostering a culture of creativity and collaboration.

- **Tech Trends Enthusiast**
  I constantly stay updated with the latest in tech, from AI advancements to quantum computing. I love discussing emerging technologies and exploring how they will shape the future.

- **Data-Driven Decision Maker**
  I rely on data to drive decisions, whether it's in research or business development. My passion lies in using data-driven insights to optimize strategies and create impact.

- **Resilient and Goal-Oriented**
  Just as in my athletic pursuits, I approach challenges with resilience and determination. I believe in setting ambitious goals and relentlessly working towards them, whether in tech or personal development.

- **Let's Connect!**
  If you're interested in discussing tech, research, or just want to share stories about the latest gadgets, feel free to reach out to me at panboonyuen.kao@gmail.com.

- **About Me**
  I'm Teerapong Panboonyuen, but you can call me Kao Panboonyuen or just Kao.

in Thai: ธีรพงศ์ ปานบุญยืน (เก้า)