

Pakorn (Nick) Jitjang

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EDUCATION

CARNEGIE MELLON UNIVERSITY

Bachelor of Science in Information Systems, Minor in Computer Science, Minor in Machine Learning

Pittsburgh, PA

August 2023 - Present

- *Cumulative GPA:* 4.00/4.00
- *Activities:* Tech Team in ScottyLabs, Public Relations Chair of Thai Students Association, Member of Students Using Data for Social Goods Club, PLUS Tutor

INTERNATIONAL COMMUNITY SCHOOL

Advanced Studies Diploma

Bangkok, Thailand

August 2018 - May 2023

- *GPA:* 4.35/4.00
- *Honors:* Board of Governors' Scholarship Award, Perfect Score on AP Computer Science Principles, AP Scholar Award
- *Activities:* Student Council 11th Grade Class Representative, Vice President of ICS STEM Club, Member of Wallstreet Club, Co-founder of SAT Club, Tech Team Member of Game Design Club, Treasurer of ICS Racing Club
- *SAT:* 1550 (EBRW: 750, MATH: 800)
- *TOEFL:* 113 (Reading: 28, Listening: 30, Speaking: 25, Writing: 30)

PROFESSIONAL EXPERIENCE

T2PCO

Data Science Intern

Bangkok, Thailand

June 2023 - July 2023

- Developed an unsupervised machine learning with IsolationForest for Anomaly Detection in an online wallet system
- Detected 64 potential existing fraud users in the system that had suspicious wallet user behavior
- Automated training datapipe line to incorporate new users' data in the model and run detection in real-time

KASIKORN BANK

Data Analytics Intern

Bangkok, Thailand

December 2021 - January 2022

- Developed a supervised machine learning model with XGBoost to automate the process of giving out microloans to small merchants through online banking application by analyzing 2000 data features and 7000 data samples
- Reduced the average default rate of loans from 5% to 2% and processing time from 7 days by humans to 3 seconds by automated AI

EXTRACURRICULAR ACTIVITIES

SAVE DUGONG THAILAND

Co-Founder

Trang, Thailand

August 2022 - Present

- Developed a machine learning model to detect dugongs, plastic, and ghost fishing gear;
- Deployed the model in drones to monitor dugongs' activities and tag areas heavily polluted with plastic
- Worked with Kasikorn Business Technology Group and Department of Marine and Coastal Resources Thailand

CAPSTONE PROJECT

Founder

Bangkok, Thailand

November 2021 - March 2023

- Established computer center in a low-income community to improve technology and information accessibility
- Cooperated with the Nexus Foundation, Kasikorn Bank and Singer Corporation to help Wat Ruak Bang Bamru Community
- Hosted English and computer lessons with Scratch for over 30 local children

RESTAURANT INVENTORY MANAGEMENT PROGRAM

Founder

Bangkok, Thailand

January 2022 - February 2023

- Coded a Python program to keep track of ingredients and operating costs for restaurants to reduce waste and increase profit
- Helped a local café (Rabbit Café in Nakhon Pathom) manage their weekly inventory and ingredient costs
- Analyzed recurring buying patterns and excessive ingredient waste to optimize weekly restocking

VIRTUAL REALITY EDUCATION PROGRAM

Founder

Bangkok, Thailand

May 2021 - June 2022

- Founded a project to apply low-cost Virtual Reality technology in rural schools in Thailand to create new learning experiences and spark curiosity in STEM
- Led the ICS STEM Club to the Wat Lan Tak Fa School in Nakhon Pathom province to donate STEM equipment
- Taught 50 students about the Solar System using VR and mini-interactive lab activities

ADDITIONAL

- **Piano:** Passed Trinity Initial examination with merit, passed Trinity 2nd grade examination with merit, passed Trinity 4th grade examination with merit, passed Trinity 6th grade examination
- **Programs and Technology:** Python, Java, C, HTML, CSS, Javascript, Bootstrap, Machine Learning, Data Science, Data Visualization
- **Interests:** Automobiles, Technology, Finance, Data Science, Golf, Audio, Machine Learning