Kritarath Thipsoonthonsak (Kiwi)
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Profile Summary

An Industrial Engineering freshman at The Hong Kong Polytechnic University with a background in programming, research, management, and content creation. Seeking opportunities in field of computing and technology.

Education

Bachelor of Engineering (Honours) in Product & Industrial Engineering
The Hong Kong Polytechnic University (PolyU)
GPA: 3.40/4.3

Sept 2024 – Present

Mahidol Wittayanusorn (MWIT) School (Full tuition/ Thai Government funded)
GPA: 3.85/4

March 2021 – March 2024

Work Experience

Data and AI Engineer (Intern)
National Digital ID, Thailand

June 2024 – July 2024

- Design RAG for Customer service chatbot inquiries model with Gemini, GPT 3.5, VertexAI, Azure OpenAI, Bert
- Analyze and audit bank account data (over 5 Million query)
- Realtime data visualization using Redash connected MongoDB

Research Experience

A Mathematics Modeling for Thailand's Investment in Renewable Energy

Jan 2023 - Sept 2023

- Conduct a 10 pages Scientific Reports designing an energy policy plan for Thailand with a mathematical AIM/Enduse Model

Development of an IoT-Based Knee Support System for Fall Injury reduction in Elderly

Dec 2022 - June 2023

- Developed a prototype with ESP32, MPU 6050 with Machine learning

Study of the optical logic gates using the Mach-Zehnder interferometer

July 2022 – Jan 2023

- Designed Logical gates with optical techniques. Successfully created AND, OR, XOR, NOT Gate.

Project Management Experience

Project Director, MWIT Open house 2023   June 2023 – Aug 2024
MWIT Student Committee
- Organized a 2-day event with over 3000 participants
- Coordinated with teachers and 300 staff

Project Director, Pre-MWIT Camp 2023   Sept 2022 – Jan 2023
Pre-MWIT committee
- Organized a 3-day camp with over 200 participants
- Raised over 23,000 HKD to kick-start the Project

Student President   Jan 2023 – Feb 2024
MWIT Student Committee, Mahidol Wittayanusorn School
- Led team of 30 student representative to organize over 10 School events
- Implement new school policy

Content Creation Experience

Media Production and Content Creation Officer   Aug 2024 - Present
Association of Thai Students in Hong Kong SAR and Macau SAR
- ATSHM website development (Ongoing)
- [1 day in each university of Hong Kong Project](#) (Ongoing)

Founder and Editor,   March 2024 - Present
[Sound Taste Podcast Youtube Channel](#)
- A channel focus on wide aspects of area such as education, productivity, news, and self-improvement

Certification, Awards and Accomplishment

The Most Outstanding Project Presentation   Sep 2023
Galess Tiltshift Challenge

First Placed, VU Hackathon 2023, Aging Society   Jan 2023
Vongchavalitkul University

Skills

Software:	Programming Language: C, C++, Python, HTML, CSS, JavaScript, Latex, SQL, NoSQL
- Coding: GitHub, Microsoft Azure, Google Cloud SDK, Linux, Docker and MongoDB - Graphic & Video Editing: Canva, Adobe Photoshop, Adobe Premiere Pro, Adobe Illustrator and Davinci Resolve 3D Modeling: SolidWorks, OnShape and Blender	Language: English, Thai