


Pupipat Singkhorn

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EDUCATION

Chulalongkorn University	2022 - Present
Bachelor of Engineering - Computer Engineering Major. GPAX: 3.53	
Relevant Coursework: Pattern Recognition, Algorithm Design, Data Structures, Programming Methodology	
Triam Udom Suksa School	2019 - 2022
Science-Mathematics Major. GPAX: 3.85	
<i>Triam Udom Photo Club (Staff and Member)</i> - Captured photos at various school events and other special occasions.	

WORK EXPERIENCE

Tutor - Teach Physics & Mathematics	2022 - Present
Provided an outline for Physics Olympiad Camp, University Admissions, and High School Preparation.	
Photographer - Portfolio:  instagram.com/pupick.sk	2019 - Present
Captured photos at events and private photo sessions.	

EXTRACURRICULAR ACTIVITIES & ACHIEVEMENT

Aihack Thailand 2023 - Ai Hackathon	December 2023
<ul style="list-style-type: none">Created a credit risk model using machine learning approach to forecast Long Overdue Debtors (LOD).Performed data analysis, data pre-processing, and feature engineering using linear and tree-based models.Awarded 1st Prize Winner & AUC Prize Winner.	
Stock Return Forecasting with Portfolio Optimization Project	April-May 2024
<ul style="list-style-type: none">Developed an Alpha Factor Model for stock return forecasting using Classical ML and LSTM networks.Designed and backtested quantitative trading strategies.Implemented Portfolio Optimization techniques within trading strategies.	
Google Data Analytics Professional Certificate	July 2023
Participated in Hult Prize at Chulalongkorn Case Competition	October 2023
Developed a social enterprise Idea aligned with the UN SDGs.	
Participated in Chulalongkorn Case Discovery x Ascend Money Case Competition	March 2023
Formulated a competitive strategy for the TrueMoney financial services application.	
Thailand Physics Olympiad (TPhO)	
<ul style="list-style-type: none">19th TPhO - Bronze Medal	December 2020
<ul style="list-style-type: none">18th TPhO - Participated	May 2019
Final round in Space Youth Challenge by NARIT	December 2021
Presented ideas on meteor prevention at the National Science and Technology Fair 2021.	
Participated in The 2nd Kibo Robot Programming Challenge by NSTDA x JAXA	July 2021
Programmed a robot to move in a specified direction while on the International Space Station (ISS).	

MISCELLANEOUS

Technical Skills

Programming Language: Python, SQL, R, C++, C, Java, HTML, CSS, LaTeX, Markdown
Programming Libraries: PyTorch, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn
Applications: Excel, Tableau, Power BI, Adobe Photoshop & Lightroom, Git, GitHub

Language: Thai (Native), English

Interests: Business, Economics, Politics, Books, History, Philosophy