


# Pupipat Singkhorn

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## EDUCATION

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<b>Chulalongkorn University</b>	2022 - Present
Bachelor of Engineering - Computer Engineering Major. GPAX: 3.53	
Relevant Coursework: Pattern Recognition, Algorithm Design, Data Structures, Programming Methodology	
<b>Triam Udom Suksa School</b>	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

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

## EXTRACURRICULAR ACTIVITIES & ACHIEVEMENT

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

## MISCELLANEOUS

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### 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