

Nutnornont Chamadol

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Education

The University of Hong Kong (Full Scholarship) <i>Bachelor of Engineering in Computing and Data Science</i>	Sep 2025 – May 2029
The Newton Sixth Form School (Grade 9-12) <i>AI and Technology Program (CGPA: 4.00/4.00)</i>	Dec 2021 – Jun 2025
Saint Dominic School (Grade 7-8) <i>Chinese Language and Art Program (CGPA: 3.98/4.00)</i>	May 2019 – Dec 2021

Projects

Machine Learning in Computer Vision Bootcamp – Sponsored by the Newton school	Jul 2024 – Sep 2024
<ul style="list-style-type: none">- Served as the Project Leader and Instructor, collaborating with my peers to organize the bootcamp- Taught over 40 students in topics such as Convolutional Neural Networks, Activation Function, Transfer Learning, Image Classification, Object Detection, Semantic Segmentation, Evaluation Metrics, AI Ethics and Copyright Laws	
Text-to-Exam Generator – Trained a language model to generate vocabulary exams	Apr 2023 – Jun 2023
<ul style="list-style-type: none">- Preprocessed 120,000 sentences of text that were used to train the AI model- Fine-tuned Facebook's BART Multi-Genre Natural Language Inference (MNLI) machine learning model on 70,000 instances (premise-hypothesis text pairs dataset) and improved the model's accuracy by 22%- Developed and deployed a full-stack AI exam generator web app using HTML, CSS, and Python within 10 weeks	
Newton Timetables™ – Led the development of an official school timetable platform	Jun 2022 – Aug 2022
<ul style="list-style-type: none">- Served as the Project Manager and led a team of developers in creating a real-time school timetable website- Built the web application using ReactJS, ExpressJS, NodeJS, and MongoDB for real-time updates	

Work Experience

Research Assistant Intern – Machine Learning and Time Series Forecast: A Case Study for Sub-Seasonal Forecast in Nakhon Ratchasima, Northeast Thailand	Sep 2024 – Sep 2025
National Electronics and Computer Technology Center (NECTEC) x Nakhon Ratchasima Rajabhat University (NRRU)	
<ul style="list-style-type: none">- Analyzed meteorological data from 1940 to 2024, including precipitation, temperature, dew point, and ENSO indices, to identify recurring seasonal patterns and trends, focusing on a flood-prone region in Northeastern Thailand- Developed a predictive model to estimate rainfall in Nakhon Ratchasima for a given month, enabling accurate sub-seasonal temperature and precipitation forecasts (1 to 3 months ahead)- The rainfall predictions from the model will be used to provide early warnings to local households, which will help residents with seasonal agriculture planning and water management- The project's outcomes contribute to government-led flood risk assessment and mitigation strategies	
Data Analyst Intern – WangChanGLM (Thai LLM for Instruction-Following Tasks)	Jul 2023 – Sep 2023
Vidyasirimedhi Institute of Science and Technology, VISTEC (Frontier Research Institute in Thailand)	
<ul style="list-style-type: none">- Preprocessed an English-Thai translation dataset of 3.9 million data points to train WangChanGLM- Collaborated with WangChanX, a team of researchers, to develop WangChanGLM, a model that achieved an evaluation score on Thai instruction-following tasks higher than that of OpenAI's ChatGPT 3.5 Turbo	

Academic Achievements

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- **1st Place** in Sripatum University's National AI Prompt Engineering Hackathon 2024 (from 100 teams)
 - **2nd Place Robot Performance Award** in the First Lego League National Competition 2022
 - **Recognized as Top 10 Graduates** (out of 400 candidates) of AI Builders Training Program 2023, sponsored by AWS, Dell Technologies, VISTEC Research Institute, VISAI AI Research Startup, and Mahidol University
 - **Top 10 Finalist Teams** (from 130 teams) in the National Cybersecurity Bootcamp 2023, organized by the United Nations Children's Fund (UNICEF) and Thailand's Royal Police Cadet Academy

Skills

Languages: Thai (Native), English (Proficient, C1), Mandarin Chinese (Elementary, HSK 2), Italian (Elementary, A2)
Programming: C, Python, SQL, HTML, CSS, SCSS, Git, ML, NLP, Data Analysis, Tabular, Time Series Forecasting
Hobbies/Interests: UX/UI Design, Public Speaking, Aviation, Vlogging, Sailing, Table Tennis, Badminton, Photography