

Chirapon (Tor) Taepaisitphongse

✉ tortaepaisitphongse@gmail.com ☎ 413 406 4853 in ctac

Education

Carnegie Mellon University

Sept 2023 – June 2027

BS in Information Systems and Statistics & Machine Learning — Dean's List 24'

- Coursework: Introduction to Machine Learning, Database Design & Development, Methods for Statistics & Data Science, Principles of Imperative Programming, Probability & Statistical Inference, Harvard Summer School Public Finance
- Campus Activities: Events Director for Data Science Club; Events Chair for Thai Students Association; Consultant for Undergraduate Consulting Club

Experience

Data Solutions Intern

Bangkok, Thailand

Hexa Tech Solutions

Jan 2025 – April 2025

- Designed and deployed a production ML system on AWS Lambda with end-to-end MLOps for temperature forecasting, including a real-time visualization dashboard featuring time-series prediction windows and classification-based alerts, demonstrating predictive maintenance applications to clients.
- Researched 15+ automated data cleaning platforms, evaluating efficiency and integration capabilities to streamline company data preparation workflows and reduce processing time.

Outreach and Program Coordinator/Consultant

Pittsburgh, PA

Charles Street Area Council

May 2024 – Dec 2024

- Secured \$500,000 in funding; Compiled and analyzed online census data to uncover critical statistics and craft data-backed grant proposals; launched data collection campaign via surveys and social media to support grant needs assessment
- Improved community accessibility by automating resource registration processes, rebuilt the website and implemented SEO optimization, created a 311 reporting page, and launched a newsletter for over 500 residents.
- Organized 100+ attendee Juneteenth Community Day and Community Playground Grand Opening, featuring Pittsburgh Mayor Ed Gainey, other state representatives, and local organizations

Full-Stack Developer

Bangkok, Thailand

Faculty of Dentistry, Chulalongkorn University

March 2022 – Aug 2022

- Led the design and development of a progressive web app to digitize grading and work-tracking for 100+ dental students and professors, replacing a 20+ year-old paper-based system and improving efficiency
- Conducted user research through surveys and interviews, iteratively improving usability based on feedback, and presented the MVP to professors, earning recognition as a Finalist at the 2022 Thailand ICT Awards.

Projects

Supply Chain Management Dashboard

- Leveraged Google BigQuery and SQL queries to analyze supply chain data, forecast inventory depletion, and optimize procurement strategies, preventing stockouts and reducing overhead
- Created a management dashboard that tracked key performance indicators to recommend profit optimization strategy

Kayak Database Replication

- Developed and optimized a relational database to mimic Kayak's meta-search engine functionality based on user stories. Used normalization techniques for data integrity
- Implemented Python scripts to execute SQL queries simulating travel service searches, administrative tasks, and more

Machine Learning: Audiobook Sales Prediction

- Conducted research to identify classification models for predicting audiobook sales based on customer behavior
- Implemented and evaluated multiple classification techniques, including KNN, Random Forest, XGBoost, and Deep Learning, to compare performance and accuracy.

Technologies

Languages: Python, Java, JavaScript, C, SQL, HTML, CSS, R

Technologies: Git/Github, Tableau, Microsoft Office, Google BigQuery, Figma, ReactJS, MongoDB, sklearn, numpy, seaborn, pandas