Chirapon (Tor) Taepaisitphongse

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Education

Carnegie Mellon University *Sept 2023 – June 2027*
BS in Information Systems and Statistics & Machine Learning — Dean's List 24', 25'

- 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; Teaching Assistant for 67262 Database Design & Development; Events Chair for Thai Students Association; Consultant for Undergraduate Consulting Club

Experience

Business Analyst + Backend Developer Intern *Bangkok, Thailand*
Accenture, Strategy & Consulting + Tech *June 2025 – Aug 2025*

- Supported a cross-functional transformation project for a leading bank to enhance operational efficiency, reduce risk in collateralized loan processing, and increase main operating account (MOA) adoption
- Mapped end-to-end workflows for loan approval and operations to identify process gaps and recommend leaner, tech-enabled improvements; Presented embedded-finance case studies as new revenue and customer MOA acquisition pathway
- Analyzed financial, transaction, and HR datasets to build cost projection models and track real vs. expected KPIs for C-suite reporting; Identified data pipeline automation opportunities and proposed solutions for automated KPI dashboard
- Developed Go microservices for a marketing platform, delivering scalable backend APIs from business requirements

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.
- Benchmarked 15+ data cleaning tools to improve integration and cut data prep 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

Projects

Supply Chain Management Dashboard

- Built KPI dashboard with BigQuery to forecast inventory depletion and optimize procurement

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, Go

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