HANG HOR

hanghor@gmail.com | [LinkedIn](#) | [GitHub](#) | [Website](#)

TECHNICAL PROJECTS

ML on Dynamic Graphs for Air Traffic Forecasting - [GitHub](#) 10/2023 – 07/2024

Conducted research under the supervision of Prof. [Gabor BENEDEK](#), [Lynx Analytics](#). Contributions are three-fold:

- **Model Efficiency & Performance Improvement.** A 5x speed boost & a 2% MRR improvement were achieved by developing a novel ML algorithm called TGN-ST for dynamic graph learning.
- **Pipeline for Machine Learning on Dynamic Graphs.** Developed an efficient graph sampling technique for analyzing & visualizing a 67 million edges network, a large-scale dynamic graph dataset [[TGB](#)].
- **Model Analysis & Optimization.** Benchmarked SOTA ML models, and analyzed performance & efficiency. Optimized model parameters through hyperparameter tuning using a random search approach.

EMPLOYMENT HISTORY

Data Scientist, Lynx Analytics 08/2024 – Present

Research on math AI for theorem proving and representative of Lynx Analytics in Cambodia

Senior RF Engineer, Huawei Technologies Co., Ltd 01/2021 – 07/2022

An *outstanding contributor award* team leader who led a team of 9 engineers in conducting network analytics, forecasting, and optimization of Smart Axiata to support 8 million subscribers

- **Network Analytics & forecasting**. Successfully supported Huawei in negotiating **$15.3 million** in equipment & **$1.1 million** in service sales by increasing network DL speed by 19% & capacity by 15% and reducing downtime by 7% through proactive network analysis, forecasting, and optimization using LSTM-based time series analysis, GENEXCloud AI platform, and interactive dashboard report.
- **Energy Efficiency Optimization.** Supported customers achieve **$1.2 million** in annual savings by reducing nationwide power consumption by 5% through AI-driven power consumption analysis & optimization.

RF Engineer, Cellcard (CamGSM Co., Ltd) 04/2017 – 12/2020

- **Huawei Network Rollout**. Successfully conducted network design, strategic development, traffic prediction, and dimensioning of 480 sites.
- **ZTE Network Swap**. A *Star Service Award* engineer who successfully supported implementing the 1250 sites swap project by conducting root cause analysis, troubleshooting, and optimization.

Drive Test Engineer, Cellcard (CamGSM Co., Ltd) 07/2016 – 03/2017

Network Maintenance Engineer, DIGI (DTV Star Co., Ltd) 09/2015 – 06/2016

EDUCATION

Master of Engineering in Data Science, Institute of Technology of Cambodia 10/2022 – 07/2024

Bachelor of Electrical and Electronic Engineering, Institute of Technology of Cambodia 10/2010 – 07/2015

ACCOMPLISHMENT

- OUTSTANDING CONTRIBUTOR AWARD | Huawei — 03/2022
- STAR SERVICE AWARD | Cellcard — 01/2019

TECHNICAL SKILLS

ML, GNN, Probability, Statistics, NLP, CV, Python, PyTorch, Pandas, Scikit-Learn, SQL, Mathplotlib, Plotly, Lean