

Yuzhe YANG 阳雨哲

About Me:

A junior CSE student with a keen interest in deep learning. Currently exploring GCN, LLM, and NLP.

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Education

The Chinese University of Hong Kong, Shenzhen

School of Data Science

Expected Graduation: May 2025

Bachelor of Science in Computer Science

Core Curriculum: Data Structure, Operating System, Computer Architecture, Machine Learning, etc.

Skills

Programming Languages: Python, PyTorch, C++, RISC-V, HTML, JavaScript, React

Technologies: Git, VS Code, MATLAB, \LaTeX , Linux, CLI

Other Tools: Photoshop, Lightroom, Office, Power BI, Figma

Languages: English (Fluent), Mandarin (Native)

Hobbies: Photography, Sports

Work Experiences

China Telecom Beijing Research Institute

Jan 2024 - Mar 2024

- Intern at the AI Large Model Research Team

- Analyze a technology's trends, applications, and industry impact

Research Experiences

FAST-CA: Fusion-based Adaptive Spatio-Temporal Learning with Coupled Attention for Airport Network Delay Propagation Prediction

Aug 2023 - Nov 2023

SDS, CUHKSZ

- Advised by **Prof. Jianfeng Mao**, submitted to the *Information Fusion* journal

- Refined the deep learning model for the prediction of airport network delays

- Spatio-temporal data analysis and illustration

- Deep Learning, GNN, GCN, PyTorch, PyTorch Geometric

Research in Conditional Spatio-Temporal Graph

Jan 2024 - Current

SDS, CUHKSZ

Deep Learning Approach for Early Predicting and Controlling Network Flow in SDN

Jan 2024 - Current

ICNLAB, PKUSZ

Projects Experiences

MCM: Evaluation Model of Light Pollution by Multi-conditional AHP

Feb 2023

- GIS-data analysis, Mathematical modeling

- Analyzed the level of light pollution in the area by population data, regional income data, etc.
- Explored the multifaceted impacts of light pollution on the region
- GeoPandas, Folium

Kaggle: Open Problems - Multimodal Single-Cell Integration

Feb 2022 - Apr 2022

- Machine Learning, Data Analysis
- Predict how DNA, RNA & protein measurements co-vary in single cells
- Silver Medal

Kaggle: Happywhale - Whale and Dolphin Identification

Aug 2022 - Nov 2022

- Machine Learning, Data Analysis
- Identify whales and dolphins by unique characteristics
- Silver Medal

Game Theory Analysis of SEO Strategies: From Methods to Models

Nov 2023 - Dec 2023

- Search Engine Optimization
- Game theory modeling

Machine Learning Project (*in class*)

Feb 2023 - May 2023

- Data Analysis, Data Visualization
- Python: numpy, pandas, matplotlib, sklearn, scipy, etc
- Implemented model: Linear Regression, SVM, Decision Tree, K-Means, PCA, etc.

CPU Circuit design (*in class*)

Jul 2023

- Verilog, RISC-V
- Implemented simple RISC-V instructions through circuit design and realized CPU pipelining

Activities

MUSE College Student Assistant: Outstanding College Contribution Award

Sep 2021 - Sep 2023

MUSE College Basketball Team

Sep 2021 - Sep 2023

P.I.C. Photography Club

Sep 2021 - Jun 2022