Haotian Li

li6.haotian@gmail.com | htlee6.github.io | LinkedIn | Google Scholar

EDUCATION

Beijing Normal University   Beijing, CN
Master of Science in System Science, advised by Prof. Bailu Si   *Sep 2020 – Jun 2023*
- **Research Interests**: machine learning on neuroimages, graph neural network, neuroscience
- **GPA** 3.8/4; **Courses learned**: AI & Deep Learning, Artificial Intelligence, Seminar Neuroscience, Complex Network Analysis, Agent-Based Modeling, Numerical Computation, Game Theory, Data Analysis
- **Award**: Scholarship for Graduate Student *3

Ludwig-Maximilians-Universität München   Munich, DE
Exchange Student in Computer Science   *Sep 2021 – Jul 2022*
- **Courses learned**: Deep Learning for NLP, Knowledge Discovering in Databases I, Deep Learning and Artificial Intelligence, Infrastructure for Advanced Analysis on Machine Learning, Practical Big Data Science
- **Award**: JD Charity Fund × BNU International Talent Development Scholarship

Beijing University of Posts and Telecommunications   Beijing, CN
Bachelor of Engineering in Logistics Engineering with Intelligence   *Sep 2016 – Jul 2020*
- **GPA** 3.5/4; **Courses learned**: Calculus, Linear Algebras, Probability Theory, Operational Research, Database: Theory & Applications, Data Structures, Computer Networking, Data Mining & AI, Controlling Theory, Modeling & Simulation and etc.
- **Award**: YTO Enterprise Scholarship, First-class University Scholarship *2

WORKING EXPERIENCE

Machine Learning Engineer Intern   Jun 2021 – Sep 2021
StoneWise AI Ltd., focusing on high-quality AI-driven novel drug discovery   *Beijing, CN*

Teaching Assistant   Feb 2021 – Jul 2021
Computational Neuroscience and Brain-Inspired Intelligence @BNU   *Beijing, CN*

Working Student Data Process & Analysis   Oct 2019 – Jan 2020
Big Data Services, BMW China   *Beijing, CN*

PROJECTS

Classify Autism with Self-supervised Learning on ABIDE dataset   Present
- An fMRI image could be converted into a graph by using the correlation matrix of the ROIs. Therefore, we pretrain and finetune the GNN based model in a self-supervised learning fashion.
- This method addresses the issues on the problem of multi-site and limited scale of the ABIDE dataset.

Performance Evaluation of Molecular Property Prediction with GNNs in Distributed System   2022
- Evaluate the performace of GNN predictions on molecular properties in the LRZ distributed system.
- Analyze the factor that slows down the speedup & efficiency in distributed system using pytorch. [Github]

AlphaFold 2 Deep Dive   Internship at StoneWise
- Understand and share DeepMind's AlphaFold 2 system in depth & develop AlphaFold Notebook easy tool

ADME(T) Prediction   Internship at StoneWise
- Improve the prediction of ADME(T) properties using GNN-based transfer learning approaches by 3%

TECHNICAL AND TEAM COLLABORATION SKILLS

Machine Learning & Dev Toolkit: Python, SQL, PyTorch, Pytorch-geometric, Pytorch-lightning, Git, Docker
Team Collaboration: Scrum, international communication, project management
Languages: proficient English, native Chinese, basic German

HOBBIES

Watching movies, football, cycling