

Xin Liang

[Gmail](#) | [Github](#)

EDUCATION

Tongji University

B.E. in Software Engineering , GPA : 89.74 / 100 ; Major GPA : 95 / 100

Shanghai, China

Jan 2021 – Jan 2025

- **Relevant Courses:** Linear Algebra , Advanced Mathematics , Probability and Statistics , Discrete Maths , High-Level Language Programming , Data Structure , Algorithm , Operating System , Database , Computer Organization , Human-Computer Interaction , Principles of Compilers

Tongji University

Freshman in Architecture and Urban Planning

Shanghai, China

Apr 2020 – Jan 2021

RESEARCH INTERESTS

Currently my research interests lie in reseach on combining Decentralized Autonomous Organization(**DAO**) Governance and **MARL** to solve **social dilemmas**.And I'm interested in **AutoML**.I have some knowledge about **DARTS** in neural architecture search.

RESEARCH EXPERIENCE

MIT-Tongji City Science Lab

Research Intern , MARL Group

Mar 2023 – Present

- Doing research on combining Decentralized Autonomous Organization(**DAO**) Governance and **MARL** to solve **social dilemmas**

Tongji University

NaMI Lab,Research Intern

Oct 2022 – Mar 2023

- A **patent** in preparation.The patent proposed a neural architecture search method.This automatic machine learning method reduced the search time required to find a suitable architecture and guaranteed the accuracy of the final result, ICASSP 2023 Poster Session.
- Learning **Monte Carlo Trees** , using **pytorch** ,python to optimize the Chinese chess code based on **AlphaZero** , adding **behavioural clones** and then doing reinforcement learning to train the strategy network.

PROJECT EXPERIENCE

ETH Beijing Hackathon 2023

Contestant,Innovative Layer2 Dapp,[Github](#)

Apr 2023 – Apr 2023

- Built a **demo** from scratch in three days.
- Developed **FactLENS** as a decentralized news validation ecosystem, which consists of **FactLENS plugin** and **FactLENS website**.

MIT-Tongji City Science Lab

Intern , DApp-smart contract Group,[Github](#)

Jan 2023 – Present

- Worked with **Solidity** to develop smart contract based on specific modules.
- Research into **DApp development architecture** ,using **Hardhat** etc. to interface smart contrat with front-end and back-end interactions.
- Deployed **ABDK Library** to solve the problem of solidity not supporting floating point operations.

TECHNICAL SKILLS

Languages	: C/C++,Python,Solidity,MATLAB,HTML,CSS
Machine Learning	: PyTorch, TensorFlow
Databases	: MySQL
Design and Modeling	: Adobe PS/AI/ID/PR/AE ,Unity3D, Auto CAD,Rhino,Sketch Up
Web3 and Blockchain	: Polygon(Solidity),Hardhat,Remix