Yang Hao

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EDUCATION BACKGROUND

Beijing Institution of Technology 09/2020-06/2024

BSc. In Computer Science and Technology, School of Computer Science *GPA: 86.8/100*

INTERNSHIP EXPERIENCE

Software Development Engineer at Microsoft for Startups 08/2023-10/2023

Helped with LLM grounding of Microsoft for Startups

- Using RAG for knowledge grounding (LangChain) to build a chatbot that is capable of answering questions on Microsoft for Startups programs from startups around the world replacing the current search based Q&A website.

Software Development Engineer at Shanghai Yaocheng Health Technology 06/2023-08/2023

Develop the back-end and the automated test for a SAAS platform

- Established the interface with the front-end based on Spring Boot framework and OpenAPI, optimised sql statement in Mybatis, improved the operational efficiency.
- Automatically generated test cases for back-end data logic verification, applied Genetic Algorithm to increase logic coverage without increasing the size of the use cases.

RESEARCH EXPERIENCE

Graduation Project | *Approximating Nash Equilibria Using Neural Networks* 2024

- Designed a neural network structure specifically for approximating Nash equilibria and conducted extensive experiments to evaluate the performance of the method.

Experiments on Reinforcement Learning Algorithms 2023

- Applied reinforcement learning algorithms to train models to play Atari game, studied the limitations and applicable scenarios of different methods, implemented the Transfer Learning algorithm in the paper AdaRL.

Experiments on Optimization Algorithms 2022

- Applied various optimization algorithms to solve the flow shop scheduling problem, compared and analyzed performances of different algorithms, finalized the research paper.

PROFESSIONAL SKILLS

Programming skills: C++, Python, Java, SQL, PyTroch, LangChain, Hadoop, Spring Boot, Vue3, Verilog, etc.
Knowledge Base: Data Structure, Computer Network, Operating System, Mathematical Analysis, Linear Algebra, ML Algorithms, Optimization, RL, CV, etc
Language: Chinese (Native); English (Fluent);

HONORS & AWARDS

The Second Prize in Blue Bridge Cup C/C++ Programming Group A 2023

The Third Prize in National College Student Physics Competition 2022

University-level Second Class Scholarship 2021

The Second Prize in National College Student Mathematics Competition 2021