

WENHAO CHEN

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🎓 EDUCATION

Shanghai Jiao Tong University, Shanghai, China

Sept. 2019 – Jun. 2023 (Expected)

B.S. in Computer Science and Engineering

- GPA 92.08/100 (or 3.97/4.3), Rank 9/118
- Member of **Zhiyuan Honors Program (Engineering)**
- **Selected A+ courses:** Data Structure (Honor), Discrete Mathematics (Honor), Probability and Statistics (Honor), Algorithms and Complexity, Operating System, Computer Architecture, Artificial Intelligence
- **TA Experience:** Programming and Data Structure I (Honor)

👥 EXPERIENCE

Research

Jun. 2021-Present

Apex Lab, supervised by **Prof. Weinan Zhang**, Shanghai Jiao Tong University

Research Interests: Reinforcement Learning (especially in applications)

- Branch Ranking for Efficient Mixed-Integer Programming via Offline Ranking-based Policy Learning (submitted to ECML PKDD'22) 2021.07 - 2021.10

🔗 CODING PROJECTS

- 📄 Snakes3v3 Agent Dec. 2021
Brief introduction: Course project for CS410-Artificial Intelligence. Use reinforcement learning to control 3 snake agents. Rank 1st in the final competition.
- 📄 AlphaZero Gomoku Oct. 2021
Brief introduction: Use PyTorch to reproduce AlphaZero and use it in a Gomoku game.
- 📄 StreamRipper Nov. 2021
Brief introduction: An Adaptive Distributed Network Cache on LAN.
- 📄 Toy Interpreter (Compiler) Apr. 2021
Brief introduction: Implementation of *Crafting Interpreters*.
- 📄 Simple Ray-Tracer Aug. 2020
Brief introduction: Implementation of *Ray Tracing in One Weekend Series*.

🏆 HONORS AND AWARDS

- *1st Prize (477/600)*, National Olympiad in Informatics in Provinces (NOIP) 2018
- Zhiyuan Honor Scholarship 2020,2021
- Academic Excellence Scholarship 2020,2021

⚙️ SKILLS

- Languages: Python, C/C++, C#
- Writing Tools: Markdown, \LaTeX
- Tools and Environments: Git, Docker, Linux, Qt
- ML Related Skills: PyTorch (proficient), TensorFlow (able to read)
- Sufficient knowledge in algorithm and data structure.