

# WENHAO CHEN

✉ cccwhe@sjtu.edu.cn · 🌐 CWHer

## 🎓 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
- Zhiyuan Honor Scholarship, Academic Excellence Scholarship

## 👤 EXPERIENCE

### Research

Jun. 2021-Present

Apex Lab, Shanghai Jiao Tong University

- Branch Ranking for Efficient Mixed-Integer Programming via Offline Ranking-based Policy Learning (submitted to IJCAI'22) 2021.07 - 2022.01

## 💻 CODING PROJECTS

- 📄 Snakes3v3 Agent Dec. 2021  
Brief introduction: Course project for CS410-Artificial Intelligence. Use reinforcement learning to control 3 snake agents. Rank 1<sup>st</sup> 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*.
- 📄 Auto Mine Sweeper May. 2021  
Brief introduction: Play Minesweeper using some classic algorithms.
- 📄 Simple Ray-Tracer Aug. 2020  
Brief introduction: Implementation of *Ray Tracing in One Weekend Series*.

## ⚙️ SKILLS

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

## 🏆 HONORS AND AWARDS

1<sup>st</sup> Prize (477/600), National Olympiad in Informatics in Provinces (NOIP)

2018