

Zizhuo Wang

Riverside, California

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EDUCATION

University of California, Riverside, Riverside, United States

Sept. 2021 - Expected March 2023

Master of Science, Computer Science

- GPA 3.82/4.0
- Coursework: Advanced Algorithms, Compiler Construction

ShanghaiTech University, Shanghai, China

Sept. 2017 - June 2021

Bachelor of Engineering, Computer Science

- GPA 3.29/4.0
- Coursework: Operating System, Artificial Intelligence, Machine Learning, Bioinformatics

SKILLS

- **Languages:** Python, C, C++, Rust, Go.
- **System:** LLVM, Linux perf, OpenMP.
- **ML and AI:** Pytorch, TensorFlow, NTLK, OpenCV.

EXPERIENCE

Shanghai Center for Brain Science and Brain-Inspired Technology, Shanghai, China

Research Assistant, Laboratory of Cognition Intelligence

Apr. 2020 – Feb. 2021

- Implemented an automatic problem-solving system based on natural language processing.
- Solved 80% of primary school mathematics problems in Chinese.

ShanghaiTech University, Shanghai, China

Teaching Assistant, School of Information Science and Technology

Mar. 2021 – July 2021

- Assisted teaching for the Operating System course.

Software Development Intern, School of Information Science and Technology

Mar. 2021 – July 2021

- Developed the backend of an iOS application for an online barter exchange market of 1000+ users.

PROJECTS

Pintos (Operating System)

- Built a tiny x86 single thread multi-process operating system in C based on Stanford's framework.
- Implemented Thread, User Program (Argument Passing), Virtual Memory, and File System.

AI Poker Agent

- Designed an AI agent for the "Fighting the landlord" poker game in Python beating 89 of 100 human players.

Parallel BFS

- Implemented a parallel version of breadth first search for an unweighted undirected graph in C++.
- Achieved 10x speed up compared to the sequential version.

Sketch Colorization (Computer Vision)

- Developed an automatic colorization program for anime-style sketches using GAN.

Tracing Covid-19 (Bioinformation)

- Implemented a genome tracing analysis for SARS-CoV-2 genome tracing in Python.