

# Zixi Chen

 barry0977 |  chenzixi@sjtu.edu.cn

## EDUCATION

---

**Shanghai Jiao Tong University**

Shanghai, China

B.S. in Computer Science, **ACM Honors Class**

Aug 2023 - present

Cumulative GPA: 89.2/100

Selected courses: Optimization Methods (94/100), Introduction to Computer Systems (98/100), Mathematical Logic (95/100), Large Language Models (94/100), Machine Learning (93/100)

## RESEARCH INTEREST

---

My research interests lie in **Robotics**. At present, I mainly focus on how to keep robots' behavior stable and safe while performing fancy motions. I'm also interested in applying Vision-language-action (VLA) models to Humanoid whole-body control (WBC).

## EXPERIENCE

---

**Research Intern, APEX Lab**

Shanghai, China

*Advisor: Prof. Weinan Zhang*

June 2025 - Present

- Currently working on a project aiming to make humanoid robot dancing both adaptive and safe, enabling the robot to actively avoid obstacles and minimize contact forces during collisions, as a co-leader.

## PERSONAL PROJECTS

---

**Mx-Compiler** (Course Project of Compiler Design and Implementation)

[Link to Github](#)

A Compiler from Mx language (which is a C++ like language for education) to RV32I Assembly via LLVM-IR written in Java. I've implemented several optimizations like Mem2Reg, Linear Scan Register Allocation.

**RISC-V-CPU** (Course Project of Computer Architecture)

[Link to Github](#)

A Tomasulo RISC-V CPU with iCache and branch predictor written in Verilog. The architecture design can be successfully implemented on FPGA board.

## TEACHING EXPERIENCE

---

**Teaching Assistant**

Computer Architecture (CS2951), 2025 Fall

## AWARDS AND HONORS

---

**Zhiyuan Honors Scholarship**

Zhiyuan College of SJTU, 2023, 2024

Awarded to top 5% students in SJTU annually.

## SKILLS

---

Programming Languages C++, Python, Java, Go  
Chinese (Native speaker), English