

YOUWEI ZHONG

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EDUCATION

Shanghai Jiao Tong University

September 2021 – Present

Undergraduate in Computer Science

Member of **John Hopcroft Class**, an elite CS program at Zhiyuan College, SJTU, for top 5% of students, with a focus on **Theoretical Computer Science**.

Core GPA: 3.88/4.3

TOEFL Score: 101

Shanghai High School

September 2018 – June 2021

Member of the Engineering Class, an elite class at SHS, one of the best high schools in China.

RESEARCH EXPERIENCE

John Hopcroft Center, Shanghai Jiao Tong University

April 2023 - Present

Research internship

Shanghai, China

- Tutored by Qinxian Cao
- Developed a parameterized framework for the formal verification of zero-knowledge virtual machines in Coq, with an article submitted to IEEE S&P 2025.

ACADEMIC ACTIVITIES

SJTU-THU-PKU Computer Science Summer School, Shanghai Jiao Tong University

June 2023 – July 2023

Student

Shanghai, China

- Learned about Zero-Knowledge Proof, Secure Multi-party Computation and some frontier research in AI.
- Made friends with students from MIT, ENS and other top universities in the world.
- Participated in Jane Street's Estimathon game and learned the importance of understanding rules and teamwork.

TEACHING EXPERIENCE

Program Design and Data Structure - Part III, Shanghai Jiao Tong University

June 2023 – July 2023

Teaching assistant

Shanghai, China

- Prepared the code repository for the project of Ray Tracing in Rust. Wrote a detailed setup manual for the students.
- Designed the tasks of the project. Answered the questions of the students.

MISCELLANEOUS

John Class Online

December 2021 – Present

Maintainer

- Designed an internal class forum based on Discourse, a well-known open source discussion platform.
- Maintained the operation of the Aliyun server and the website.

Zhiyuan College Debate Team

July 2021 – July 2022

Captain

Shanghai, China

- Organized the recruitment of the debate team. Produced recruiting WeChat pushes.
- Lead the preparation for Freshman Cup and Union Cup. Organized team building activities.

HONORS AND AWARDS

Longfor Scholarship (10'000 yuan, 10 winners each year)
Zhiyuan Honors Scholarship (5'000 yuan per year, Top 5%)
Three Good Student of Shanghai Jiao Tong University

December 2022
December 2023, 2022 and 2021
October 2023 and 2022

TECHNICAL SKILLS

Research Interests	Formal Verification, Zero-Knowledge Proof
Computer Languages	Coq, C, C++, Python, Rust
Machine Learning library	Pytorch, Scikit-learn
Tools	Git, VSCode