

# YOUWEI ZHONG

Shanghai Jiao Tong University ◇ Shanghai, China  
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## EDUCATION

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### Shanghai Jiao Tong University

September 2021 - Present

Major in Computer Science

Member of the John Hopcroft Class, Zhiyuan Honors Program

Core GPA: 3.82/4.3

TOFEL Score: 101

### Shanghai High School

September 2018 - June 2021

Member of the Engineering Class

## EXPERIENCE

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### Program Verification

April 2023 - Present

Research internship

Shanghai Jiao Tong University, Shanghai, China

- Tutored by Qinxiong Cao
- Formalize bytecode programs in Coq.
- Prove the soundness of a kind of zero knowledge proof protocol in Coq.

### SJTU-THU-PKU Computer Science Summer School

June 2023 - July 2023

Student

Shanghai Jiao Tong University, Shanghai, China

- Learn about zero knowledge proof, secure multi-party computation and some frontier research in AI.
- Make friends with students from MIT, ENS and other top universities in the world.
- Participate in Jane Street's Estimathon game and learn the importance of understanding rules and teamwork.

### Program Design and Data Structure - Part III

June 2023 - July 2023

Teaching assistant

Shanghai Jiao Tong University, Shanghai, China

- Prepare the code repository for the project of Ray Tracing in Rust. Write a detailed setup manual for the students.
- Design the tasks of the project. Answer the questions of the students.

### John Class Online

December 2021 - Present

Maintainer

- Design a class website based on Discourse, a well-known open source discussion platform.
- Maintain the operation of the server and the website.

## HONORS AND AWARDS

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Huawei Scholarship (10'000 yuan)

October 2023

Longfor Scholarship (10'000 yuan)

December 2022

Zhiyuan Honors Scholarship (5'000 yuan per year)

December 2022 and December 2021

Three Good Student of Shanghai Jiao Tong University

October 2023 and October 2022

## TECHNICAL STRENGTHS

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Research Interests

Formal Verification, Zero Knowledge Proof

Computer Languages

Coq, C, C++, Python, Rust

Machine Learning library

Pytorch, Scikit-learn

Tools

Git, VSCode