

XINYU MAO

Email: xinyumao.tcs@gmail.com
Website: <https://sparkmxy.github.io>

EDUCATION

Shanghai Jiao Tong University

Aug. 2018 – Present

Undergraduate, major in Computer Science

A member of ACM Honor Class, Zhiyuan College

GPA: 3.93 / 4.3 | Ranking: 5 / 33

Shanghai, China

RESEARCH EXPERIENCE

University of Southern California

July 2021 - Present

Research Intern advised by Prof. Jiapeng Zhang

Research Topic: the construction of universal one-way hash function from one-way functions.

Remote due to COVID-19

Shanghai Jiao Tong University

Sept. 2020 – June 2021

Undergraduate Researcher advised By Prof. Shengli Liu

Research Topic: public-key cryptography

PUBLICATIONS

Non-Adaptive Universal One-Way Hash Functions from Arbitrary One-Way Functions

2022

Authors: Xinyu Mao, Noam Mazor and Jiapeng Zhang

HONORS AND AWARDS

Shanghai Outstanding Graduate

2022

Foresight-Sequoia Scholarship

2021

70 winners in SJTU each year

Huawei Scholarship

2020

14 winners at Zhiyuan College each year

Zhiyuan Honorary Scholarship

2018, 2019, 2020

Top 5% in SJTU each year

Bronze Medal

2017

The 34th China National Olympiad in Informatics (NOI)

TEACHING EXPERIENCE

Great Ideas in Computer Science

Fall 2019, Fall 2020, Fall 2021

Teaching Assistant

I led a TA team, and I was deeply involved in the course design.

I gave lectures on various topics.

I wrote an Enigma Simulator to facilitate teaching.

Shanghai Jiao Tong University

SKILLS

Programming: C++, Java, Python, JavaScript, Latex

Language: Chinese (native), English (TOEFL 105)