

# XINYU MAO

Email: [xinyumao.tcs@gmail.com](mailto:xinyumao.tcs@gmail.com)

Website: <https://sparkmxy.github.io>

## RESEARCH INTEREST

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I am broadly interested in theoretical computer science, especially in (the foundations of) cryptography and computational complexity.

## EDUCATION

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<b>University of Southern California</b> Ph.D. student in Computer Science Advisor: <u>Prof. Jiapeng Zhang</u> GPA: 4.0 / 4.0	Aug. 2022 – Present  Los Angeles, US
<b>Shanghai Jiao Tong University</b> Bachelor of Engineering in Computer Science A member of ACM Honor Class, Zhiyuan College Advisors: <u>Prof. Yijia Chen</u> and <u>Prof. Yong Yu</u> GPA: 3.96 / 4.3   Ranking: 2 / 33	Aug. 2018 – June 2022  Shanghai, China

## RESEARCH EXPERIENCE

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<b>University of Southern California</b> Research Intern advised by <u>Prof. Jiapeng Zhang</u> <b>Research Topic:</b> foundations of cryptography.	May 2021 - April 2022
<b>Shanghai Jiao Tong University</b> Undergraduate Researcher advised By <u>Prof. Shengli Liu</u> <b>Research Topic:</b> public-key cryptography	Sept. 2020 – Feb. 2021

## PUBLICATIONS

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- Xinyu Mao, Noam Mazon, and Jiapeng Zhang. Non-adaptive universal one-way hash functions from arbitrary one-way functions. In *Advances in Cryptology – EUROCRYPT 2023: 42nd Annual International Conference on the Theory and Applications of Cryptographic Techniques, Lyon, France, April 23-27, 2023, Proceedings, Part IV*, page 502–531, Berlin, Heidelberg, 2023. Springer-Verlag

## HONORS AND AWARDS

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<b>Zhiyuan Outstanding Student Scholarship</b>	2022
<b>Shanghai Outstanding Graduate</b>	2022
<b>Foresight-Sequoia Scholarship</b> 70 winners in SJTU each year	2021
<b>Huawei Scholarship</b> 14 winners at Zhiyuan College each year	2020
<b>Zhiyuan Honorary Scholarship</b> Top 5% in SJTU each year	2018, 2019, 2020
<b>Bronze Medal</b> The 34th China National Olympiad in Informatics (NOI)	2017

## TEACHING EXPERIENCE

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### **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 wrote an Enigma Simulator to facilitate teaching.

Shanghai Jiao Tong University

## SKILLS

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

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