

Haixing He

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Address: Minhang District, Dongchuan Road No.800, 200240 Shanghai (China)

EDUCATION

Shanghai Jiao Tong University (SJTU), Shanghai, China

August 2022 – July 2026(expected)

Bachelor of Information Security

GPA (Major): **3.94/4.3**; GPA (Overall): **3.94/4.3**

Relevant Coursework: Achieved A/A+ grades in all Mathematics and Computer Science courses, including Advanced Mathematics, Data Structures, Discrete Mathematics, Computer Programming, Mathematics Fundamentals of Information Security(1) and Elements of Information Theory.

Honors and awards:

Shanghai Jiao Tong University Shu Tang Scholarship (2/88)

Shanghai Jiao Tong University Merit Student (Top 3%)

Shanghai Jiao Tong University Undergraduate Excellence Scholarship(Top 10%)

RESEARCH EXPERIENCES

A Survey on Detection of LLMs-Generated Content | Research Assistant

Nov.2023 – Jun.2024

Advisor: **ZhuoSheng Zhang** (Assistant Professor of School of Cyber Science and Engineering, SJTU)

- Learn the CoCo model which provides a coherence-graph-based contrastive learning model, to detect machine-generated texts under low-resource scenario. CoCo's detection accuracy outperforms the state-of-art detectors on multiple datasets.
- Compare T5 model with CoCo and optimize the CoCo model.

Summer Research on Zero Knowledge Proof | Research intern

Jun.2024–Aug.2024(expected)

Advisor: **JiaHeng Zhang**(Assistant Professor of School of Computing at National University of Singapore)

- Have a basic understanding of IPs, Arguments, IOP, SNARK, Commitment and so on.
- Research on protocol of KZG, Plonk, Spartan and Libra and reading “Proofs, Arguments and Zero-Knowledge” written by Justin Thaler.

SKILLS AND OTHERS

Programming Language: Python, C/C++

Framework and Tools: Qt, LaTeX, PyTorch

Language: Mandarin Chinese (Native), English (Fluent)

Cryptography: Cryptography I by Dan Boneh on Coursera, "Public-Key Cryptography" taught by Professor Liu Shengli for master's and doctoral students in SJTU, Zero-Knowledge Mooc Spring 2023 online.