

Changqi Sun

M.S. STUDENT IN CS · PHD STUDENT

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“Find something bigger than yourself!”

EDUCATION

Dongguan University of Technology

M.S. IN COMPUTER SCIENCE AND TECHNOLOGY

Guangdong, Province.China

Sep. 2021 - Jun. 2023(Expected)

- GPA: 3.7/4.0
- Enroll in first place
- Course: Advanced Design and Analysis of Computer Algorithms, Advanced Computer Architecture, Machine Learning, Artificial Intelligence, Principles and Technologies of Cloud Computing

Shandong University

M.A. IN FINANCE

Shandong, Province.China

Sep. 2017 - Jun. 2019

- GPA: 83.41/100
- Postgraduate Thesis: Research on Different Operation Periods of Stocks Based on Data Envelopment Analysis and Momentum Effect

Northeast Forestry University

B.S. IN INFORMATION & COMPUTING SCIENCE

Heilongjiang, Province.China

Sep. 2012 - Jun. 2016

- GPA: 81.88/100
- Undergraduate Thesis: The Performance Analysis on Shearlets Created by Different Wavelets Based on Image Denoising

PUBLICATIONS

In Submission:

- [1] **Changqi Sun**, Rui Li, Huafeng Ruan. **Jump-ORAM: An ORAM Scheme Achieving Constant Bandwidth Blowup Without Server-side Computing Overhead**. IEEE International Conference on Computer Communications (INFOCOM), 2022.[Submitted]
- [2] **Changqi Sun**, Rui Li. **PM^{S3}ORAM: An ORAM Scheme Achieving Perfect Security and Constant Bandwidth Overhead** 2023.[Preparation]
- [3] **Changqi Sun**, Di Wang. **LAS³ORAM: An SOTA ORAM Scheme Protecting the Privacy of Deep Learning Model Training Large Embedding Tabeles** [Preparation]

Conference:

- [1] **Changqi Sun**, Rui Li. (2022). *RC5-CBC: Best Matching Combination of Block Cipher and Model of Operation for Implementing ORAM Schemes*. 2023 2nd International Conference on Cryptography, Network Security and Communication Technology(Accepted).

Journal:

- [1] Liang Ding, Zhuoran Yang, Ruichen Wen, **Changqi Sun**, Shuaijiao Wang & Miaomiao Jiang. (2016). *Application of shearlet and wavelets in signal and image denoising*. Journal of Natural Science of Heilongjiang University(02), 272-280. doi:10.13482/j.issn1001-7011.2016.03.018.[Published]

HONORS & AWARDS

POSTGRADUATE

- | | | |
|------|---|-------------|
| 2022 | 2st Place , Scholarship | DGUT, China |
| 2021 | 1st Place , Enrollment Scholarship | DGUT, China |

UNDERGRADUATE

- | | | |
|------|--|---------------------|
| 2014 | 2nd Place , Math Contest In Modeling | Heilongjiang, China |
| 2015 | Excellent Student Leader , University Prize | NFU, China |
| 2016 | Outstand Graduate , University Prize | NFU, China |

PRESENTATION

2021 Guangdong Postgraduate Academic Forum

Guangdong, China

GUANGDONG PROVINCIAL ACADEMIC DEGREES COMMITTEE OFFICE

Dec. 2021

- Introduced Working Paper: *Jump-ORAM: An ORAM Scheme Achieving Constant Bandwidth Blowup Without Server-side Computing Overhead*.

International Conference on Cryptography, Network Security and Communication Technology

Changsha, China

PROF. SAMIR LADACI AS CONFERENCE GENERAL CHAIR

Jan. 2023

- Attending the conference
- Making an oral report

Involved Research Program

Research on Symmetric Encryption Schemes for Searchable Boolean Retrieval and K-Proximity Retrieval

*General Program of National
Natural Science Foundation, China*

MEMBER FROM JAN. 2021 UNTIL NOW

Jan. 2020 - Dec. 2023

- Participated in designing more cost-efficient ORAM Group.
- Proposed two new ORAM schemes: Jump-ORAM and PM S^3 ORAM.
- Tutoring new-coming freshman of postgraduates to learn the foundation knowledge of ORAM and let them participate in the current project

Dongguan University of Technology “Chen-Ning Yang Innovation Class” Mentorship Research Project

*Dongguan University of Technology,
China*

MEMBER

Sep. 2022 - Oct. 2023

- Task 1: Be a mentor of a undergraduate
- Task 2: Publishing a high-level conference or journal paper

Skills

Non-technical Skills	Excellent Communication , Creative Mindset and Excellent Analytical Skills
Programming	C/C++, Python, LaTeX
Languages	English(IELTS 6.5/9, CET6 526/710)