




Keng-Yu Chen

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EDUCATION

- PhD Student in Computer Science** Sep. 2024 – Present
* *School of Computer and Communication Sciences, École Polytechnique Fédérale de Lausanne*
* *Thesis Advisor: Serge Vaudenay*
- Master of Science in Computer Science** Sep. 2022 – Jan. 2024
* *Graduate Institute of Electrical Engineering, National Taiwan University*
* *Thesis Advisor: Jiun-Peng Chen & Ho-Lin Chen*
- Bachelor of Science in Computer Science & Information Engineering** Sep. 2018 – Jun. 2022
* *Department of Computer Science & Information Engineering, National Taiwan University*
- (Double Major) Bachelor of Science in Mathematics** Sep. 2018 – Jun. 2022
* *Department of Mathematics, National Taiwan University*

PUBLICATION

1. Masking Floating-Point Number Multiplication and Addition of Falcon
Keng-Yu Chen, Jiun-Peng Chen
IACR Transactions on Cryptographic Hardware and Embedded Systems, 2024

RESEARCH EXPERIENCE

- The Security and Cryptography Laboratory (LASEC)** Sep. 2024 – Present
* *School of Computer and Communication Sciences, École Polytechnique Fédérale de Lausanne*
* *Director: Serge Vaudenay*
- Side-Channel Analysis Laboratory** Jun. 2020 – Feb. 2024
* *Department of Electrical Engineering, National Taiwan University*
* *Director: Jiun-Peng Chen*
- Adjunct Research Assistant** Sep. 2020 – Oct. 2023
* *Research Center for Information Technology Innovation, Academia Sinica*
* *Director: Jiun-Peng Chen*
- Research Intern** Jul. 2023 – Aug. 2023
* *Institute of Information Science, Academia Sinica*
* *Advisor: Kai-Min Chung*

HONORS AND AWARDS

- Champion - Innovation Application Competition of Digital Twins for Smart Farming** Oct. 2022
* *Council of Agriculture, Executive Yuan, Taiwan*
- Academic Achievement Award** Apr. 2019
* *Department of Computer Science & Information Engineering, National Taiwan University*

WORKING EXPERIENCE

Teaching Assistant

Sep. 2020 – Jan. 2021

- * *Calculus (1) (2)*
- * *Teacher: Ya-Ju Tsai*

OTHER EXPERIENCE

Attendee — Theory of Cryptography Conference 2023

Nov. 2023

- * *Taipei, Taiwan*

Attendee — Asiacrypt 2022

Dec. 2022

- * *Taipei, Taiwan*

Attendee — Post-Quantum Minischool

Jul. 2022

- * *Academia Sinica, Taiwan*

SKILLS

Programming Languages: C/C++, Python, Verilog, Makefile, MATLAB, R

Tools: Git/GitHub, ChipWhisperer, L^AT_EX, VIM

Languages: Mandarin (Native), English (IELTS: 7.5)

EXTRACURRICULAR ACTIVITIES

Public Address Team

Sep. 2019 – Jun. 2021

- * *Student Activity Center, National Taiwan University*
- * *Operating stage audio and lighting systems*

Equipment Team

Feb. 2019 – Jun. 2021

- * *Tainan Alumni Association, National Taiwan University*
- * *Operating stage audio and lighting systems, photography, videography*