YUETIAN WU

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EDUCATION

Peking University   September 2022 - present
Turing Class, B.S. in Computer Science and Technology
GPA: 3.903/4.0 Ranking: 1/34

Carnegie Mellon University   August 2024 - December 2024
Undergraduate Exchange Program, Computer Science
GPA: 4.0

RESEARCH EXPERIENCE

Laboratory for Computation Security, EPFL   June 2025 - September 2025
Advisor: Alessandro Chiesa   *Lausanne, Switzerland (continuing remotely till present)*

· Worked on expected-time security analysis of cryptographic argument systems constructed through Kilian's and the IBCS protocols.
· Extended the previous state-of-the-art result on expected-time knowledge soundness bound of Kilian's protocol to probabilistic PCP extractors and functional PCPs and commitment schemes.
· Proposed a new reduction that gives the best-known bound on the expected-time knowledge soundness of the IBCS protocol.

Carnegie Mellon University   August 2024 - December 2024
Advisor: Aayush Jain   *Pittsburgh, U.S. (continuing remotely till present)*

· Analyzed the hardness of the Learning with Errors problem in the presence of a lattice trapdoor.
· Gave a construction for reusable Euclidean-distance computational fuzzy extractor.
· Built a new, stronger primitive named Threshold Difference Revealing Encryption scheme, enabling applications in fuzzy cryptography that are not known to be achievable by previous results.

SELECTED HONORS AND AWARDS

- 2024: National Scholarship of China (top 0.2% of college students nationwide)
- 2024: 2023-2024 Merit Student Pacesetter of Peking University
- 2023: Hua Tai Securities Technology Scholarship
- 2023: 2022-2023 Merit Student of Peking University
- 2023: PKU XueErSi Boya Scholarship (awarded to 100 among ~17k undergraduates at PKU)
- 2022: First-Class Freshman Scholarship of Peking University (50,000 CNY)
- 2022: Dean's Scholarship for Freshmen, School of EECS, Peking University
- 2020: Asia-Pacific Informatics Olympiad, Silver Medal
- 2020: National Olympiad in Informatics (China), Bronze Medal

TEACHING EXPERIENCE

Teaching Assistant: Foundations of Cryptography — September 2025 - Present
Course Instructor: Tianren Liu, Peking University — *Beijing, China*

Tutorial: Introduction to Lattice Cryptography — May 2025
For visiting students from Nanyang Technological University (NTU) — *Beijing, China*
& At PKU Turing Student Research Forum

Tutorial: Succinct Arguments Based on Linear PCPs — April 2025
On PKU Cryptography Workshop (organized by Tianren Liu) — *Beijing China*

Tutorial: Introduction to the Basics of Cryptography — December 2024
For first-year students of a class at the University of Chinese Academy of Sciences (UCAS) — *Online*

Teaching: Competitive Programming (Olympiad in Informatics) Training — July 2022
For high school students at my alma mater — *Yichang, China*

EXTRACURRICULAR ACTIVITIES

Leader of High Jump Team — September 2024 - Present
Peking University Student (Non-Varsity) Track and Field Team — *Beijing, China*

· Gold Medalist (2023) and Two-time Bronze Medalist (2024, 2025), Men's High Jump, Peking University Athletics Meet.
· Represented Peking University in the Beijing Collegiate Student Track and Field Championships in October 2025, placed 7th.