

# Bo-Yu Yang | 楊博宇

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🔍 [Google Scholar](#)

🌐 [Personal Website](#)

## Research Interests

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Information Theory, Learning Theory, Privacy, Quantum Information Theory, and Finance.

## Education

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École Polytechnique Fédérale de Lausanne (EPFL)  
*Ph.D. Student, Computer and Communication Sciences*

Lausanne, Switzerland  
Sep. 2025 – Present

National Taiwan University  
*B.S., Electrical Engineering*

Taipei, Taiwan  
Sep. 2020 – Jan. 2025

## Publications

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### Recent works

- [R2] Bo-Yu Yang and Michael Gastpar. Single-Period Portfolio Selection via Information Projection. *arXiv preprint*, 2026. [[Arxiv](#)]
- [R1] Bo-Yu Yang, Hsuan Yu, and Hao-Chung Cheng. Maximal  $\alpha$ -leakage for quantum privacy mechanisms. *arXiv preprint*, 2024. [[Arxiv](#)]

### Conference Proceedings

- [C1] Bo-Yu Yang, Hsuan Yu, and Hao-Chung Cheng. Maximal  $\alpha$ -Leakage for Quantum Privacy Mechanisms and Operational Meaning of Measured Rényi Capacity. *IEEE International Symposium on Information Theory (ISIT)*, pp. 3308–3313, 2024. [[IEEE Explore](#)]

## Presentations

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- **The 2024 IEEE International Symposium on Information Theory (ISIT)** Athens, Greece  
*Presenter* Jul. 2024  
"Maximal  $\alpha$ -Leakage for Quantum Privacy Mechanisms and Operational Meaning of Measured Rényi Capacity"

## Services

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- Reviewer for ISIT 2024, 2025, ITW 2024, IEEE Transaction on Information Theory, Quantum Information Processing (Springer Journal)
- Volunteer for ISIT 2023, QIP 2024
- The NCTS Student/Young Researcher Event Taipei, Taiwan  
*Coordinator* Sep. 2023 – Dec. 2024

## Awards

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- EDIC fellowship for first year of PhD at EPFL Sep. 2025 – Present
- ISIT Student Travel Grant Athens, Greece  
*IEEE International Symposium on Information Theory (ISIT)* Jul. 2024

**Relevant Graduate-Level coursework** Information Theory, Network Information Theory, Foundations of Data Science, Quantum Information and Computation, Advanced Algorithms, Convex Optimization, Online Convex Optimization, Principles of Wireless Communications, and Error Correction Code.