

YUANXIN (KEVIN) GUO

Ph.D. Student at University of Toronto

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EDUCATION

University of Toronto

September 2022 - Present

Ph.D. Student

GPA: N/A

Major: Electrical and Computer Engineering (Communications Stream)

Advisor: Prof. Stark Draper & Prof. Wei Yu

The Chinese University of Hong Kong, Shenzhen

September 2018 - May 2022

Bachelor of Science

GPA: 3.87/4

Major: Pure Mathematics

Department: School of Science and Engineering

PUBLICATIONS

Conference Papers

- [C.1] **Y. Guo**, Z. Tang and B. Li, "On the Equivalence between Pre-transformed and Parity-check Monomial Codes," *11th International Symposium on Topics in Coding (ISTC)*, 2021.
- [C.2] X. Fu, C. Wu, **Y. Guo** and S. Yang, "Two-tone Shift-XOR Storage Codes," *IEEE International Symposium on Information Theory (ISIT)*, 2021.
- [C.3] X. Cheng, X. Fu, **Y. Guo**, K. W. Shum and S. Yang, "Successively Solvable Shift-Add Systems — a Graphical Characterization," *IEEE International Symposium on Information Theory (ISIT)*, 2021.

Patents

- [P.1] X. Fu, **Y. Guo** and S. Yang, "Distributed storage method and transmission decoding method," CN111447044A, 2020.

PRESENTATIONS

2021 ISTC, poster presentation, virtual

2021 ISIT, oral presentation, virtual

TEACHING

Undergraduate Student Teaching Fellow

CUHK-Shenzhen

- Abstract Algebra (MAT3004), 2021 Fall
- Linear Algebra (MAT2040), 2020 Fall
- Complex Variables (MAT3253), 2020 Spring
- Calculus I (MAT1001), 2019 Fall

PROFESSIONAL SERVICE

Conference Reviewer

- WOCC 2022