

HAOYANG HU

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EDUCATION

ShanghaiTech University

M.S. Candidate in Communication and Information Systems

Shanghai, P.R.China

Sept. 2021 - Jun. 2024 (Expected)

- Advisors: Prof. [Youlong Wu](#) & Prof. [Ning Cai](#)
- Overall GPA: 3.94/4.00; Major GPA: 4.00/4.00

University of Electronic Science and Technology of China

B.E. in Earth Information Science and Technology

Chengdu, Sichuan, P.R.China

Sept. 2017 - Jun. 2021

- Overall GPA: 3.98/4.00 (91.89/100)

RESEARCH INTERESTS

My research interests lie in information theory, coded computation and wireless communication.

PUBLICATIONS

Journal Papers

1. **H. Hu**, Y. Wu, Y. Shi, S. Li, C. Jiang, and W. Zhang, "Communication-Efficient Coded Computing for Distributed Multi-Task Learning", IEEE Transactions on Communications, vol. 71, no. 7, pp. 3861–3875, 2023. [\[Paper\]](#)

Conference Papers

1. **H. Hu**, S. Li, M. Cheng, and Y. Wu, "Coded Distributed Computing for Hierarchical Multi-Task Learning", in IEEE Information Theory Workshop (ITW), 2023, pp. 480–485. [\[Paper\]](#)
2. H. Tang, **H. Hu**, K. Yuan and Y. Wu, "Communication-Efficient Coded Distributed Multi-Task Learning", in IEEE Global Communications Conference (GLOBECOM), 2021, pp. 1-6. [\[Paper\]](#)

TEACHING EXPERIENCE

Teaching Assistant at ShanghaiTech University

- EE142: Fundamentals of Information Theory (Outstanding Teaching Assistant, Top 20%) Spring, 2022
- CS282: Machine Learning Fall, 2022

AWARDS AND HONORS

Merit Student (Top 5%)

ShanghaiTech University, 2022

Outstanding Graduates in Sichuan Province

Ministry of Education in Sichuan Province, 2021

China National Scholarship (Top 0.2 % Nationwide)

Ministry of Education in China, 2020

First-class Scholarship

University of Electronic Science and Technology of China, 2018 ~ 2020

First Prize of China Undergraduate Mathematical Contest in Modeling

2019

TECHNICAL STRENGTHS

Programming Languages: Python, MATLAB, C/C++

Technical Skills: CVX, PyTorch, Git, Latex

English Proficiency: TOEFL 104 (S: 22), GRE 322 (AW: 3.5)