Zhengyang Hu

✉ u3010250@connect.hku.hk 📞 +852 5493 3801

🌐 http://datou30.github.io/

Education

2023 – · · · ·   **Ph.D. The University of Hong Kong**
Department of Electrical and Electronic Engineering
Supervised by Dr Yanchao Yang & Prof Kaibin Huang
Research Area: *machine learning, deep learning, computer vision, information theory*

2019 – 2023   **B.Sc. University of Science and Technology of China,** School of Gifted Young
Major: *Mathematics and Applied Mathematics*.

Internship

2022.8 – 2023.12   **Quantitative Strategy Research,** *Chengqi Funds*
Mainly engaged in the development of alpha strategies

Publications and Submissions

Publications (Manuscripts Under Review Included)

1. **Z. Hu**, S. Kang, Q. Zeng, K. Huang, and Y. Yang, "Infonet: Neural estimation of mutual information without test-time optimization," Jan. 2024. arXiv: 2402.10158 [cs.IT].

2. Z. Chen, Q. Li, **Z. Hu**, and Y. Zhou, "A cubic regularization approach for finding local minimax points in nonconvex minimax optimization," *Transactions on machine learning research*, 2023.

3. D. Lao, **Z. Hu**, F. Locatello, Y. Yang, and S. Soatto, "Divided attention: Unsupervised multi-object discovery with contextually separated slots," *arXiv preprint arXiv:2304.01430*, 2023.

Undergraduate Academic Performance

Grades   GPA (in USTC): 3.68/4.30, ranking: 23/105, major GPA: 3.86/4.30

Course   Mathematical statistics 97/100, Time Series Analysis A 97/100, Linear Algebra A1 95/100, Differential Equation 95/100, Mathematical Analysis A3 94/100.

Skills

Language   TOFEL iBT: 105 (reading 28, listening 25, speaking 22, writing 30)
GRE General: 322 (Verbal 152; Quantitative 170, Analytical Writing 3.5)

Coding   Python, R, LaTeX, …

Misc.   Academic research, teaching, strong curiosity, decisive execution.

Miscellaneous Experience

Awards and Achievements

2022   **Outstanding Student Scholarship, Silver**, School of Gifted Young, USTC, Hefei

Miscellaneous Experience (continued)

🔖 **Rose Endeavour Scholarship**, School of Gifted Young, USTC, Hefei.

Teaching Experiences

2023   🔖 **Teaching Assistant**, Mathematical Equations B, USTC.

2024   🔖 **Teaching Assistant**, Introduction to Data Analytics, HKU.