联系方式

阿里巴巴达摩院

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研究领域 深度学习和计算机视觉,尤其是资源受限场景下的高效学习和动态神经网络。 教育经历 博士, 清华大学自动化系 2018 - 2024 导师: 宋士吉, 黄高 (DenseNet 一作, CVPR 2017 最佳论文奖) 本科, 清华大学自动化系 2014 - 2018 GPA 排名: 38/141 实习经历 旷视科技,基础模型组 04/2023 - 12/2023导师: 张祥雨 (ResNet 二作, ShuffleNet 一作, CVPR 2016 最佳论文奖) 佐治亚理工, 人机交互学院 06/2017 - 8/2017 导师: Gregory D Abowd 奖励与荣誉 - 中国图象图形学会自然科学奖一等奖 2024 - 清华大学优秀毕业生 2024 - 清华大学优秀博士学位论文 2024 - 北京市优秀毕业生 2024 - 研究生综合奖学金, 清华大学 2023 - 国家奖学金, 教育部 2022 - 综合优秀奖学金, 清华大学 2017 - 综合优秀奖学金, 清华大学 2016 - 学业优秀奖学金, 清华大学 2015 已发表论文 1. Yizeng Han\*, Gao Huang\*, Shiji Song, Le Yang, Honghui Wang, Yulin Wang. Dynamic neural networks: a survey. IEEE Transactions on Pattern Analysis and Machine Intelligence (**TPAMI**), 2021. 2. Yizeng Han\*, Zeyu Liu\*, Zhihang Yuan\*, Yifan Pu, Gao Huang, Shiji Song. Latencyaware Unified Dynamic Networks For Efficient Image Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI), 2024.

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3. **Yizeng Han**, Gao Huang, Shiji Song, Le Yang, Yitian Zhang, Haojun Jiang. Spatially adaptive feature refinement for efficient inference. *IEEE Transactions on Image* 

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- 20. Zhuofan Xia, Dongchen Han, **Yizeng Han**, Xuran Pan, Shiji Song, Gao Huang. GSVA: Generalized Segmentation via Multimodal Large Language Models. *Conference on Computer Vision and Pattern Recognition* (CVPR), 2024.
- 21. Yong Xien Chng, Henry Zheng, **Yizeng Han**, Xuchong Qiu, Gao Huang. Mask Grounding for Referring Image Segmentation. Conference on Computer Vision and Pattern Recognition (CVPR), 2024.
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- 23. Dongchen Han, Xuran Pan, **Yizeng Han**, Shiji Song, Gao Huang. FLatten Transformer: Vision Transformer using Focused Linear Attention. *International Conference on Computer Vision* (ICCV), 2023.
- 24. Yifan Pu, Yiru Wang, Zhuofan Xia, **Yizeng Han**, Yulin Wang, Weihao Gan, Zidong Wang, Shiji Song, Gao Huang. Adaptive Rotated Convolution for Rotated Object Detection. *International Conference on Computer Vision* (**ICCV**), 2023.
- Yulin Wang, Zhaoxi Chen, Haojun Jiang, Shiji Song, Yizeng Han, G Huang. Adaptive Focus for Efficient Video Recognition. *International Conference on Computer Vision* (ICCV, Oral), 2021.
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- 27. Le Yang, Xiaoli Gong, Zhengwei Wu, **Yizeng Han**, Lijun He, Fan Li. Dark-channel mixed attention based neural networks for smoke detection in fog environment. *ACM*

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### 投稿与预印

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- 2. Wangbo Zhao, Yizeng Han, Jiasheng Tang, Kai Wang, Yibing Song, Gao Huang, Fan Wang, Yang You. Dynamic Diffusion Transformer. Arxiv, 2024.

# \* 共同一作

### 受邀演讲

- 阿里达摩院	10/2022
- 华为	01/2022
- 机器之心	03/2021

### 研究项目

面向资源受限场景的动态神经网络网络及其可解释性研究, 清华大学	2020 -	2022
达芬奇芯片友好的神经网络架构设计, 清华大学	2020 -	2022
面向深度学习的自适应推理方法研究, 清华大学	2019 -	2020

## 学术兼职

#### 以下学术会议或期刊的审稿人

- IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)
- International Journal of Computer Vision (IJCV)
- IEEE Transactions on Neural Networks and Learning Systems (TNNLS)
- IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)
- International Conference on Machine Learning (ICML)
- Conference on Neural Information Processing Systems (NeurIPS)
- International Conference on Learning Representations (ICLR)
- Conference on Computer Vision and Pattern Recognition (CVPR)
- International Conference on Computer Vision (ICCV)
- European Conference on Computer Vision (ECCV)
- The Association for the Advancement of Artificial Intelligence (AAAI)
- Pattern Recognition (PR)
- International Conference on Image and Graphics (ICIG)