

JUN CHEN

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EDUCATION

King Abdullah University of Science and Technology PhD Candidate (Advised by Mohamed Elhoseiny)	<i>January 2020 - Now</i>
King Abdullah University of Science and Technology MS in Computer Science	<i>August 2018 - 2019</i>
Liverpool University BSc in Computer Science.	<i>August 2014 - June 2018</i> First Class Degree

SELECTED PUBLICATIONS

- Deyao Zhu*, **Jun Chen***, Xiaoqian Shen, Xiang Li and Mohamed Elhoseiny. MiniGPT-4: Enhancing Vision-Language Understanding with Advanced Large Language Models [arXiv 2023]
*Equal Contribution ([github 10k stars](#) ≤ 3 days)
- Jinjie Mai, **Jun Chen**, Bing Li, Guocheng Qian, Mohamed Elhoseiny, Bernard Ghanem. LLM as A Robotic Brain: Unifying Egocentric Memory and Control. [arXiv 2023]
- **Jun Chen**, Deyao Zhu, Kilichbek Haydarov, Xiang Li, Mohamed Elhoseiny. Video ChatCaptioner: Towards the Enriched Spatiotemporal Descriptions [arXiv 2023]
- Deyao Zhu, **Jun Chen**, Kilichbek Haydarov, Xiaoqian Shen, Wenxuan Zhang, Mohamed Elhoseiny. ChatGPT Asks, BLIP-2 Answers: Automatic Questioning Towards Enriched Visual Descriptions. [Under Review]
- **Jun Chen**, Deyao Zhu, Guocheng Qian, Bernard Ghanem, Zhicheng Yan, Chenchen Zhu, Fanyi Xiao, Mohamed Elhoseiny, Sean Chang Culatana. Exploring Open-Vocabulary Semantic Segmentation without Human Labels [Under Review]
- **Jun Chen**, Ming Hu, Boyang Li, and Mohamed Elhoseiny. Efficient Self-supervised Vision Pre-training with Local Masked Reconstruction. [Under Review]
- **Jun Chen**, Ming Hu, Darren Coker, Michael, Berumen, Blair Costelloe, Sara Beery, Anna Rohrbach and Mohamed Elhoseiny. MammalNet: A Large-scale Video Benchmark for Mammal Recognition and Behavior Understanding. [CVPR 2023]
- **Jun Chen**, Aniket Agarwal, Deyao Zhu, Mohamed Elhoseiny. RelTransformer: A Transformer-Based Long-Tail Visual Relationship Recognition. [CVPR 2022]
- **Jun Chen**, Han Guo, Kai Yi, Boyang Li, and Mohamed Elhoseiny. VisualGPT: Data-efficient image captioning by balancing visual input and linguistic knowledge from pretraining. [CVPR 2022]
- Ahmed Abdelreheem, Ujjwal Upadhyay, Ivan Skorokhodov, Rawan Al Yahya, **Jun Chen**, Mohamed Elhoseiny. 3DRefTransformer: Fine-Grained Object Identification in Real-World Scenes Using Natural Language. [WACV 2022]
- Sherif Abdelkarim, Aniket Agarwal, Panos Achlioptas, **Jun Chen**, Jiaji Huang, Boyang Li, Kenneth Church, and Mohamed Elhoseiny. Long tail visual relationship recognition with hubless regularized reImix [ICCV 2021]
- Wang Liu-Wei, Senay Kafkas, **Jun Chen**, Nicholas J Dimonaco, Jesper Tegner, and Robert Hoehndorf. Deepviral :prediction of novel virus-host interactions from protein sequences and infectious disease phenotypes. [Bioinformatics 2021].

- **Jun Chen**, Azza Althagafi, and Robert Hoehndorf. Predicting candidate genes from phenotypes, functions, and anatomical site of expression. [**Bioinformatics 2020**].
- Uchenna Akujuobi, **Jun Chen**, Mohamed Elhoseiny, Michael Spranger, and Xiangliang Zhang. Temporal positive-unlabeled learning for biomedical hypothesis generation via risk estimation. [**NeurIPS 2020**].

EXPERIENCE

Research Scientist Intern in **Meta AI** for RL team (August-December 2022)

Research Internship in **University of Birmingham** (June-September 2019)

TEACHING

RA in CS326 (Low-resource Deep Learning at KAUST)

RA in CS294D (Contemporary Topics in Machine Learning at KAUST)

ACADEMIC RESEARCH RESPONSIBILITY

Reviewer Volunteering in CVPR 2022, ECCV 2022, T-PAMI, IEEE MultiMedia.

AWARD

Dean's List Award 2022 (King Abdullah University of Science and Technology)

Full PhD Scholarship Award 2018 (King Abdullah University of Science and Technology)