JUN CHEN

King Abdullah University of Science and Technology
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EDUCATION

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

SELECTED PUBLICATIONS

- Deyao Zhu*, <u>**Jun Chen**</u>*, 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, <u>**Jun Chen**</u>, Bing Li, Guocheng Qian, Mohamed Elhoseiny, Bernard Ghanem. LLM as A Robotic Brain: Unifying Egocentric Memory and Control. [**arXiv 2023**]

- <u>**Jun Chen**</u>, Deyao Zhu, Kilichbek Haydarov, Xiang Li, Mohamed Elhoseiny. Video ChatCaptioner: Towards the Enriched Spatiotemporal Descriptions [**arXiv 2023**]

- Deyao Zhu, <u>**Jun Chen**</u>, Kilichbek Haydarov, Xiaoqian Shen, Wenxuan Zhang, Mohamed Elhoseiny. ChatGPT Asks, BLIP-2 Answers: Automatic Questioning Towards Enriched Visual Descriptions. [**Under Review**

- <u>**Jun Chen**</u>, 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**]

- <u>**Jun Chen**</u>, Ming Hu, Boyang Li, and Mohamed Elhoseiny. Efficient Self-supervised Vision Pretraining with Local Masked Reconstruction. [**Under Review**]

- <u>**Jun Chen**</u>, 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**]

- <u>**Jun Chen**</u>, Aniket Agarwal, Deyao Zhu, Mohamed Elhoseiny. RelTransformer: A Transformer-Based Long-Tail Visual Relationship Recognition. [**CVPR 2022**]

- <u>**Jun Chen**</u>, 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, <u>**Jun Chen**</u>, Mohamed Elhoseiny. 3DRefTransformer: Fine-Grained Object Identification in Real-World Scenes Using Natural Language. [**WACV 2022**]

- Sherif Abdelkarim, Aniket Agarwal, Panos Achlioptas, <u>**Jun Chen**</u>, Jiaji Huang, Boyang Li, Kenneth Church, and Mohamed Elhoseiny. Long tail visual relationship recognition with hubless regularized relmix [**ICCV 2021**]

- Wang Liu-Wei, Senay Kafkas, <u>**Jun Chen**</u>, Nicholas J Dimonaco, Jesper Tegner, and Robert Hoehndorf. Deepviral :prediction of novel virushost 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)