Yuxin DU

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EDUCATION BACKGROUND

B.S. in Computer Science and Engineering, BeiHang University Sep 2019 - Jul 2023

- *GPA: 3.73/4.00; weighted arithmetic mean of major courses: **90.27**.*
- *Enter the school of CS as the **Top 7%** of about 800 BeiHang students.*
- *Scholarship for excellent studying in 2020.*
- *Partial Course Grades: Algebra 93, Mathematics Analysis 97, Basic Physics 100, Discrete Mathematics 97, Computer Organization 97, Probability and Statistics 92, C++ and C# Programming 98, Social Computing 98, Data Mining 93, Computer Networks 95, Methodology of Computer Science 94, Image Processing and Pattern Recognition 97.*
- *Reviewer of BMVC, ICLR, and NeurIPS*

MPhil in Artificial Intelligence, HKUST(GZ), Supervised by Prof. Ying-Cong Chen Sep 2024 - Jul 2026
PhD. in SAI, Shanghai Jiao Tong University, Supervised by Prof. Bo Zhao. Start in Sep 2026

PUBLICATIONS

SegVol: Universal and Interactive Volumetric Medical Image Segmentation.
Yuxin Du, Fan Bai, Tiejun Huang, Bo Zhao
NeurIPS 2024 **Ranking Top 9/15671 in Submissions**, Spotlight
GitHub: *https://github.com/BAAI-DCAI/SegVol* c
M3D: Advancing 3D Medical Image Analysis with Multi-Modal Large Language Models.
Fan Bai, **Yuxin Du**, Tiejun Huang, Max Q.-H. Meng, Bo Zhao
GitHub: *https://github.com/BAAI-DCAI/M3D* **(400+ stars)**
Evo-1: Lightweight Vision-Language-Action Model with Preserved Semantic Alignment
Tao Lin, Yilei Zhong, **Yuxin Du**, ..., Zhaoye Zhou, Gen Li, Bo Zhao
CVPR 2026
GitHub: *https://github.com/MINT-SJTU/Evo-1* **(200+ stars)**
Semantic-aligned reinforced attention model for zero-shot learning.
Zaiquan Yang, Yuqi Zhang, **Yuxin Du**, Chao Tong
Image and Vision Computing

RESEARCH EXPERIENCES

Spatial Intelligent Large Models and End-to-end Embodied Intelligent Large Models **2025.07 - Now**
Research Intern, Shanghai Jiao Tong University(SJTU)

- Lead the team to develop large spatial intelligence models focused on embodied AI scenarios; Deeply involved in the research and development of the end-to-end embodied intelligent large model of the Evo series.

VLA-Pilot: A Closed-Loop Autonomous Piloting System with VLA in Tilt-Rotor eVTOL aircraft **2025.02 - 2025.07**
Hong Kong University of Science and Technology (Guangzhou)

- Propose a VLA model for Tilt-Rotor eVTOL aircraft autonomous piloting. Collect and process about 1,000 flight demonstration trajectories and organize them as the LeRobot dataset for VLA training.

SegVol: Universal and Interactive Volumetric Medical Image Segmentation **2023.07 - 2024.05**
Research Intern, Shanghai Jiao Tong University(SJTU), Beijing Academy of Artificial Intelligence (BAAI)

- Propose a universal and interactive volumetric medical image segmentation model, named SegVol, as the first author. Invited to give a talk to the Nvidia Cambridge MONAI team about SegVol.

Multi-Modal Large Language Models for 3D Medical Image Analysis **2023.07 - 2024.05**
Research Intern, Beijing Academy of Artificial Intelligence (BAAI)

- Assist in designing Large Language Models with 3D vision to support various tasks such as image-text retrieval, report generation, visual question answering, positioning and segmentation for 3D Medical Image Analysis.