I am actively seeking **highly motivated Ph.D. students, Master's students, and interns/visiting students** to join my research group at **MBZUAI** after January 2025. If you are interested in working with me on the following topics, please feel free to contact me at **yutong.xie678@gmail.com** using the following format:

- **Subject Line**: "TermYouApply - PhD/MS/Intern - YourName" (e.g., Fall2025 - PhD - James)
- **Cover Letter**: Please highlight your publications (if applicable), GPA/ranking, TOEFL and IELTS scores, and any other important details.
- **Attach Your CV**
- **2-Page Research Proposal**

I will carefully review each email, but due to the large volume of messages I receive, I may not be able to respond individually to every applicant.

More Information:

MBZUAI is ranked **13th in the CS Ranking** and **12th for Computer Vision**, and is a graduate research university dedicated to advancing AI as a global force for humanity. MBZUAI hosts world-class experts in computer vision, machine learning, natural language processing, and beyond.

Research Areas:
- **Cutting-edge Technologies**:
  - Annotation-efficient deep learning & Self-/Semi-/Weak-supervised learning
  - Multi-modal learning (2D/3D images/text/gene data) & Foundation model
  - Artificial Intelligence Generated Content (AIGC)
  - Image classification/segmentation/detection
- **Medical Image Segmentation & Computer-Aided Diagnosis/Prognosis**:
  - Chest/Abdomen/Brain/Skin/Gland/Eye/Oral regions
  - X-ray/CT/MRI/Dermoscopy/Pathology/Fundus/Report/Clinical/Gene data

For Master's or Ph.D. Students:
If you wish to work with me as a Master's or Ph.D. student, you must be accepted into an MBZUAI graduate program. You can find more information at https://mbzuai.ac.ae/study/. MBZUAI offers a generous scholarship covering tuition, health insurance, and accommodation, plus a monthly stipend (MSc: AED 8,000 and Ph.D.: AED 10,000).

Basic Requirements:
1. A Bachelor's or Master's degree in Computer Science, Biomedical Engineering, Applied Mathematics, or other relevant Science or Engineering fields.
2. Proficiency in Python and deep learning frameworks (e.g., PyTorch, Hugging Face). Coding tests will be part of my interview.
3. Basic understanding of deep learning principles, including architectures like CNNs and Transformers, or experience with LLMs or diffusion models.

Preferred Qualifications:

1. Proven research experience and contributions in medical image analysis, deep learning, computer vision, LLM, statistical machine learning, or clinical/health informatics.
2. Publications as a first author or significant co-author in top conferences or journals like MICCAI, CVPR, ECCV, TMI, Medical Image Analysis.
3. Innovative problem-solving abilities with a strong curiosity and a collaborative yet independent work ethic.

For Interns/Visiting Students:

If you are an undergraduate and wish to spend a summer conducting research at MBZUAI, please visit the MBZUAI Undergraduate Research Internship Program (UGRIP) page at https://mbzuai.ac.ae/ugrip/.

If you are currently a postgraduate student interested in becoming an intern or visiting student in the MBZUAI computer vision department, I may be able to provide funding support. I also welcome applications from Chinese students supported by the China Scholarship Council (CSC).

Requirements:

1. Currently pursuing a Master's or Ph.D. in Computer Science, Biomedical Engineering, or other related fields.
2. Strong coding skills and hands-on experience in areas such as medical image analysis, deep learning, computer vision, LLM, statistical machine learning, or clinical/health informatics.
3. Publications as a first author or significant co-author in top conferences or journals like MICCAI, CVPR, ECCV, TMI, Medical Image Analysis.
4. Innovative problem-solving abilities with effective communication and a collaborative work style.