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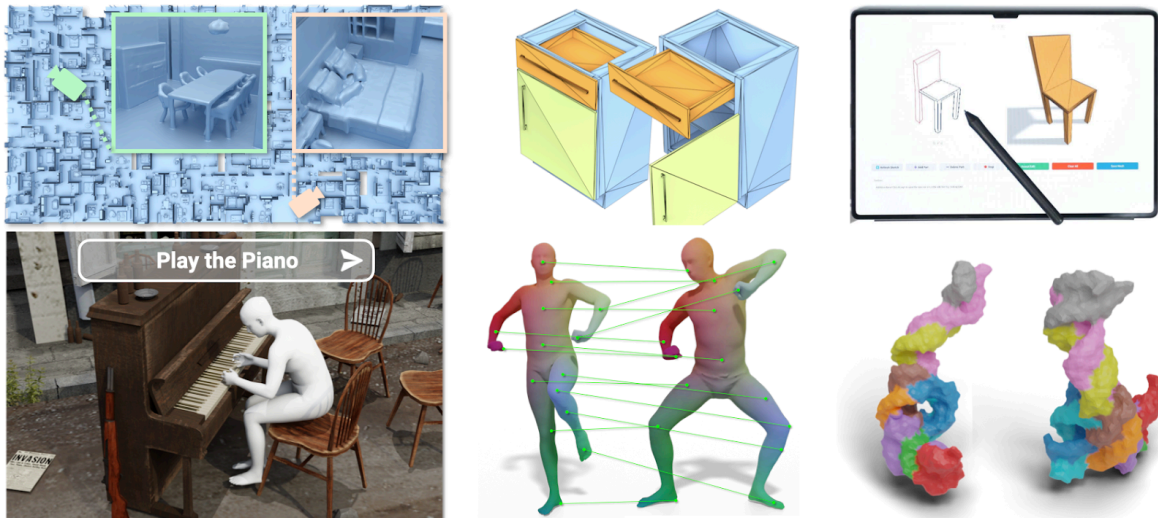Website: craigleili.github.io

Join Spatial AI Lab at University of Virginia

📣 We are Recruiting!

The **Spatial AI Lab** (**SAIL**) is seeking highly motivated **PhD students** and **postdocs** to join our team. Our mission is to empower machines with **spatial intelligence** to perceive, understand, and interact with the 3D world in ways that mirror human spatial reasoning.

Our research is at the intersection of **computer vision**, **computer graphics**, and **artificial intelligence**. We work on data-efficient learning techniques grounded in geometric principles to reason about the 3D world and the relations within it.

Current research directions include: 3D generative models, vision-language models, 3D reconstruction and understanding, human motion and interaction modeling, shape analysis, and geometric transfer learning.

💡 What We Offer

Members of SAIL will benefit from: ① Close mentorship and collaboration with faculty, peers, and international scholars; ② Opportunities to publish at top venues; ③ Access to state-of-the-art computing facilities; ④ Interdisciplinary collaborations across SDS and UVA; ⑤ A supportive lab culture that values personal growth and teamwork; ⑥ fully-funded positions with health insurance.

🎯 What We Look for

Applicants with: ① Background in data science, computer science, or related fields; ② Experience in programming and deep learning frameworks (e.g., Python, PyTorch); ③ Strong communication skills, open-mindedness, and critical thinking; ④ Self-motivation to drive research forward.

🔗 How to Apply

If you are interested in joining us, please fill out this form: 👉 tinyurl.com/uvasailapply .

PhD applicants must also apply to the UVA School of Data Science PhD Program (https://datascience.virginia.edu/degrees/phd) and pass the admission committee interview.