

# Bo Yang (楊博)

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## EDUCATION (IN CHRONOLOGICAL ORDER)

<b>ShanghaiTech University</b> <i>Bachelor of Science in Computer Science, GPA 3.32/4.0</i>	<i>Sep. 2018 – Jun 2022</i> <i>Shanghai, China</i>
<b>University of California, Berkeley</b> <i>ShanghaiTech-UC Berkeley Summer School Exchange Program, GPA 4.0/4.0</i>	<i>Jul. 2019 – Aug 2019</i> <i>Berkeley, California, US</i>
<b>ShanghaiTech University</b> <i>Master of Science in Computer Science, GPA 3.82/4.0</i> <i>Advisor: Prof. Ying Cao</i>	<i>Sep. 2022 – Dec. 2025 (Expected)</i> <i>Shanghai, China</i>

## RESEARCH INTERESTS

Graphic Design Generation; Computer Graphics; Generative Model

## PUBLICATIONS

- **Order Matters: Learning Element Ordering for Graphic Design Generation**  
Bo Yang, Ying Cao  
ACM SIGGRAPH 2025 (Journal Track)  
Develop a method to optimize the ordering of graphic elements to improve the performance of generative models of graphic designs.

## RESEARCH PROJECTS

- **Learning Cross-Modal Interaction for Joint Image-Layout Template Generation**  
**Co-First author**  
ICCV 2025 (Under Review)  
Developed a novel framework for joint image-layout template generation through cross-modal diffusion modeling.
- **Editable Vector Design Generation from Text**  
**Second author**  
ICCV 2025 (Under Review)  
Proposed an end-to-end framework for text-to-vector-design generation with authentic design intentions.

## EXPERIENCE

<b>VRVC-Lab, ShanghaiTech University</b> <i>Research Intern, Supervised by Prof. Jingyi Yu and Prof. Lan Xu</i>	<i>Jan 2022 – Sep 2022</i> <i>Shanghai, China</i>
<ul style="list-style-type: none"><li>• Contributed to two paper for SIGGRAPH 2022 and SIGGRAPH Asia 2022, responsible for designing and rendering figures for the paper and producing demonstration videos.</li></ul>	
<b>Shanghai BnZ Animation Studio</b> <i>Co-founder</i>	<i>Sep 2022 – Jan 2025</i> <i>Shanghai, China</i>
<ul style="list-style-type: none"><li>• Founded a studio dedicated to providing scientific visualization through graphic design, animations, and videos.</li><li>• Designed over 50 animations and videos for research entities such as <i>IAMCAS</i> and <i>the Journal of AMR</i>.</li></ul>	

## AWARDS

- **Merit Student** of ShanghaiTech University (**top 10%**) *Dec 2023*
- **Outstanding Teaching Assistant** in SIST, ShanghaiTech University *Nov 2023/Nov 2024*

## RELEVANT COURSEWORK

- |                                                |                                         |
|------------------------------------------------|-----------------------------------------|
| • Deep Learning (4.0/4.0)                      | • Computer Vision II (3.7/4.0)          |
| • Project Practice for Deep Learning (4.0/4.0) | • Natural Language Processing (3.7/4.0) |
| • Algorithm Design and Analysis (4.0/4.0)      |                                         |

## TEACHING

- CS280: Deep Learning - Spring, 2025/24/23, Head Teaching assistant.
- CS280: Deep Learning - Fall, 2024/23, Teaching assistant.