Bo Yang (楊博)

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Education (in chronological order)

ShanghaiTech University *Sep. 2018 – Jun 2022*
Bachelor of Science in Computer Science, GPA 3.32/4.0 *Shanghai, China*

University of California, Berkeley *Jul. 2019 – Aug 2019*
ShanghaiTech-UC Berkeley Summer School Exchange Program, GPA 4.0/4.0 *Berkeley, California, US*

ShanghaiTech University *Sep. 2022 – Dec. 2025 (Expected)*
Master of Science in Computer Science, GPA 3.84/4.0 *Shanghai, China*
Advisor: Prof.Ying Cao

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

- **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.
- **Text-guided Saliency Prediction for Graphic Design**
  Third author
  ICCV 2025 **(Under Review)**
  A weakly supervised learning method for predicting saliency maps on graphic designs using natural language supervision.

Experience

VRVC-Lab, ShanghaiTech University *Jan 2022 – Sep 2022*
Research Intern, Supervised by Prof.Jingyi Yu and Prof.Lan Xu *Shanghai, China*

- Contributed to two paper for SIGGRAPH 2022 and SIGGRAPH Asia 2022, responsible for designing and rendering figures for the paper and producing demonstration videos.

Shanghai BnZ Animation Studio *Sep 2022 – Present*
Co-founder *Shanghai, China*

- Founded a studio dedicated to providing scientific visualization through graphic design, animations, and videos.
- Designed over 50 animations and videos for research entities such as *IAMCAS* and *the Journal of AMR*.

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

Teaching

- Spring, 2025/2024/2023 CS280 - Deep Learning: Head Teaching assistant.
- Fall, 2024/2023 CS280 - Deep Learning: Teaching assistant.