

XIAOKE HUANG

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EDUCATION

TSINGHUA UNIVERSITY (THU), BEIJING, CHINA

SEPT. 2021 – PRESENT

M.E. in Electronic Information (expected June 2024)

- Overall GPA: 3.78 / 4.0

BEIJING NORMAL UNIVERSITY (BNU), BEIJING, CHINA

SEPT. 2017 – JUNE. 2021

B.S. in Computer Science

- Major GPA: 3.90 / 4.0 , Overall GPA: 3.83 / 4.0 , Rank: 2 / 54

PUBLICATIONS AND PREPRINTS

VISION-LANGUAGE LEARNING

- [1] **Xiaoke Huang**, Jianfeng Wang, Yansong Tang, Zheng Zhang, Han Hu, Jiwen Lu, Lijuan Wang, and Zicheng Liu. Segment and Caption Anything. In *CVPR*, 2024 [\[Paper\]](#) [\[Code\]](#) [\[Project Page\]](#)
- [2] Wanhua Li*, **Xiaoke Huang***, Zheng Zhu, Yansong Tang, Xiu Li, Jiwen Lu, and Jie Zhou. OrdinalCLIP: Learning Rank Prompts for Language-Guided Ordinal Regression. In *NeurIPS*, 2022 [\[Paper\]](#) [\[Code\]](#) [\[Project Page\]](#)

HUMAN DIGITIZATION

- [3] **Xiaoke Huang**, Yiji Cheng, Yansong Tang, Xiu Li, Jie Zhou, and Jiwen Lu. Efficient Meshy Neural Fields for Animatable Human Avatars. *Under review*, 2023 [\[Paper\]](#) [\[Code\]](#) [\[Project Page\]](#)
- [4] Shuai Shen*, Wanhua Li*, **Xiaoke Huang***, Zheng Zhu, Jie Zhou, and Jiwen Lu. SD-NeRF: Lifelike Talking Head Animation via Spatially-adaptive Dual-driven NeRFs. *IEEE TMM*, 2023 [\[Paper\]](#)
- [5] Yiji Cheng*, Fei Yin*, **Xiaoke Huang**, Xintong Yu, Jiaxiang Liu, Shi Feng, Yujiu Yang, and Yansong Tang. InstantDreamer: Efficient Text-Guided 3D-Aware Generation with Score Distillation on 3D Distribution. *Under review*, 2023 [\[Paper\]](#)
- [6] Yunzhi Teng, **Xiaoke Huang**, Kejie Li, and Yansong Tang. Deformable Encoding for Photo-realistic Free-view and Free-pose Hand Rendering. *Under review*, 2023

VISUAL ORDINAL REGRESSION

- [7] Wanhua Li, **Xiaoke Huang**, Jiwen Lu, Jianjiang Feng, and Jie Zhou. Learning Probabilistic Ordinal Embeddings for Uncertainty-Aware Regression. In *CVPR*, 2021 [\[Paper\]](#) [\[Code\]](#) [\[Project Page\]](#)

(* indicates equal contribution.)

PROFESSIONAL EXPERIENCE

Microsoft Research Asia (MSR Asia) Beijing, China

Apr. – Sept. 2023

Research Intern

Mentors: {Dr. Jianfeng Wang, Dr. Zheng Zhang} Advisors: {Dr. Zicheng Liu, Dr. Han Hu}

- Researched the promptable region-level vision-language generative models.
- Researched the scaling property of such models with weak supervision, based on low-level pre-trains.
- Validated the effectiveness via extensive experiments, formed a [research paper](#) and released a [codebase](#).

AWARDS AND HONORS

SCHOLARSHIP

- National Scholarship of China (top 1%) Dec. 2020
- Huiyan Talent Second Prize Scholarship of THU (top 10%) Nov. 2022
- JingShi First Prize Scholarship of BNU (top 10%) Oct. {2018, 2019, 2020}

PROGRAMMING CONTEST

- ACM-ICPC Contest Jiang Su Silver Medal June 2018
- ICPC Asia Regional Contest {Nanchang, Xuzhou, Shanghai} Bronze Medal {June. Nov. Nov.} 2019

PROFESSIONAL SKILLS


- **English Proficiency:** IELTS 7.5 (L/R 8.5, W/S 6.5)
- **Programming Languages:** Python, C++/C, Shell, \LaTeX , Java, HTML
- **Programming Tools:** Git, PyTorch, Docker, Linux Ops, Vim, Flask

ACADEMIC ACTIVITIES

Reviewer of:

- The IEEE / CVF Computer Vision and Pattern Recognition Conference (CVPR) ' {22,23,24}
- The International Conference on Computer Vision (ICCV) '23
- The European Conference on Computer Vision (ECCV) '22
- The International Conference on Machine Learning (ICML) '24
- The IEEE International Conference on Automatic Face and Gesture Recognition (FG) ' {23, 24}
- The IEEE Visual Communications and Image Processing (VCIP) '22

MISCELLANEOUS

- GitHub  : <https://github.com/xk-huang>
- Academic Page: <https://xk-huang.github.io>
- Google Scholar: <https://scholar.google.com/citations?user=BD9AT04AAAAJ&hl=en>
- Linkedin: <https://www.linkedin.com/in/xiaoke-huang-283470189/>
- ICPC ID: <https://icpc.global/ICPCID/CZN2P8QV3Z2X>