

# XIAOKE HUANG

🏠 home page · 🌐 [github.com/xk-huang](https://github.com/xk-huang) · ✉️ [shiokihuang@gmail.com](mailto:shiokihuang@gmail.com)

## EDUCATION

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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

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### 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, Jiayang 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](#)]

### VISUAL ORDINAL REGRESSION

- [6] 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

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**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

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### 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

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- **English Proficiency:** IELTS 7.5 (L/R 8.5, W/S 6.5)
- **Programming Languages:** Python, C++/C, Shell, L<sup>A</sup>T<sub>E</sub>X, Java, HTML
- **Programming Tools:** Git, PyTorch, Docker, Linux Ops , Vim, Flask

## ACADEMIC ACTIVITIES


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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

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- 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>