

Yeying Jin

Singapore PR (Permanent Resident)

Phone: +65 8312 0998 | Email: jinyeying715@gmail.com

GitHub (1.5K+ Stars) | LinkedIn (2.1K+) | Xiaohongshu (17K+ Likes)

WeChat: auyeying | Homepage: jinyeying.github.io

Summary

Staff Researcher at Tencent IEG Singapore, leading **AIGC** for large-scale game content **generation**.
Led and deployed multiple first-in-industry **AIUGC** platforms serving 30K+ users and generating 2.1M+ creatives.
PhD (NUS, **AISG** Fellow) with **1.1K+ citations**, **13+ first/co-first papers** at CVPR/ICCV/ECCV/ICLR.
Led and mentored 10+ junior researchers and interns (4 on-site), enabling impactful outcomes.

Education

National University of Singapore (NUS) AI Singapore (AISG) Ph.D. Fellowship, Focus: AIGC , GPA: 4.75 / 5.00 Advisor: Prof. Robby Tan (Chief Scientist at ASUS, Associate Professor)	Jan. 2020 – Jan. 2024 Singapore
National University of Singapore (NUS) M.Sc., Major: Electrical and Computer Engineering	Aug. 2017 – Aug. 2018 Singapore
University of Electronic Science and Technology of China (UESTC) B.Eng., Major: Electronic Information Engineering, GPA: 3.93 / 4.00	Sep. 2013 – Jul. 2017 Chengdu, China

Work Experience (4+ years)

Tencent , IEG Global, The Project Up Talent Programme Staff Researcher, Lead AIGC/MLLM/VLM research and deployment	Singapore Nov. 2023 – Present
Adobe Research , Creative Media Lab Research Intern Mentors: Prof. Connelly Barnes, Prof. Eli Shechtman Collaborators: Yuqian Zhou, Lingzhi Zhang, Sohrab Amirghodsi, Eric Kee	Seattle, USA Jun. 2023 – Sep. 2023
BioMind , Radiotherapy Team Researcher Chief Scientist: Prof. Jiashi Feng	Singapore Jan. 2019 – Jan. 2020

Highlighted Projects (Lead of AIGC)

AIUGC Creator Studio: Multi-Style Hero Generation Platform, Tencent <i>0→1 AI Image Generation Platform for consumers</i>	Dec. 2024 – Present Singapore
<ul style="list-style-type: none">Released the first text-to-image (T2I) and image-to-image (I2I) online hero generation platform for Honor of Kings, built on an SDXL-based model, supporting 98 hero LoRAs, 12 styles, with 13s generation latency.Attracted 35K+ active users, generating 58K AI images with a 22% save rate.	
AIUGC DIY Poster: The First In-game AI Poster Editor, Tencent <i>0→1 AI Poster Editor for consumers</i>	Jun. 2025 – Present Singapore
<ul style="list-style-type: none">Deployed the first AI poster editor for Honor of Kings, launching 3 AI filters (Portrait, Detective, Esports) across HOK Camp and core in-game scenarios (battle loading, hero panels, popups, system notifications), integrated ControlNet for pose control, PuLID for player identity consistency, and Florence-2 for prompt parsing.Released the first AI-powered game cover generation for PUBG Mobile, integrating the Flux.1-Kontext-dev model and ChatGPT + Florence-2 for prompt parsing, supporting 6 styles with 30s generation latency.Scaled the system to serve 22.5K players, generating 2.1M AI posters (avg. 9 per user), with 80% in-game display rate, 99% positive sentiment, and thousands of mentions and discussions on Xiaohongshu.	
AIPGC: The First Avatar & Sticker Campaign, Tencent <i>0→1 AI Image Generation</i>	Jul. 2024 – Nov. 2024 Singapore
<ul style="list-style-type: none">Built the first global AI Avatar & Sticker campaign, executing 12 campaign launches featuring 98 heroes, 2 unique styles (cartoon and pixel-art), and 2 Halloween topics.Achieved over 600K exposure and 60K engagements by expanding distribution across major global platforms including HOK Camp, X, Facebook, Instagram, TikTok, WhatsApp, VK, and Discord.	
AIGC Pipeline for Ads Creative Production, Tencent <i>Mentored a team of 6, including 4 on-site interns and 2 full-time researchers</i>	Nov. 2023 – Present Singapore
<ul style="list-style-type: none">Deployed AI-powered UA and community creative pipelines for PUBG Mobile, Miniclip games, Honor of Kings, Poe2, and other games, achieving 5× higher production efficiency than traditional video creation.Scaled the AIGC ad creative generation system to produce 200+ localized video assets monthly, powered by Wan2.1/2.2, Wan-Animate, enabling virtual streamer ads and AI-driven video style transfer.	

Workshop & Challenge Organizer

1. **CVPR'26 LoViF Workshop:** The 1st Workshop on Low-Level Vision Frontiers with Generative AI, Preference Optimization, and Agentic Systems
2. **CVPR'26 URVIS Workshop:** Unified Robotic Vision with Cross-Modal Sensing and Alignment
3. **CVPR'26 Agentic AI Workshop:** Agentic AI for Visual Media
4. **AAAI'26 Workshop:** The Application of Generative AI and Intelligent Agents in Low-Level Vision
5. **CVPR'26 NTIRE:** The 2nd Challenge on Day & Night Raindrop Removal for Dual-Focused Images
6. **CVPR'25 NTIRE:** The 1st Challenge on Day & Night Raindrop Removal for Dual-Focused Images

Honors & Awards

- AI Singapore (AISG) Ph.D. Fellowship — Singapore's most prestigious national AI scholarship
- National Scholarship, Ministry of Education of China
- Best Paper Award, ADHIP 2024
- **Wan 2.1 Video Generation** Challenge — 2nd Place (“Yayoi Kusama × Wukong”), Alibaba ModelScope
- Tencent Awards: Knowledge, Excellence R&D, Outstanding Mentor, Outstanding Contribution

Publications (Google Scholar, **First/co-first Papers: 13+**, **Citations: 1.1K+**, **GitHub: 1.5K+ Stars**)

7+ First-Author Publications

- ECCV'22** 1. **Yeying Jin**, Wenhan Yang, Robby T. Tan. *Unsupervised Night Image Enhancement: When Layer Decomposition Meets Light-Effects Suppression*. **Citations: 220+**, **GitHub Stars: 460+**
- ICCV'21** 2. **Yeying Jin**, Aashish Sharma, Robby T. Tan. *DC-ShadowNet: Single-Image Hard and Soft Shadow Removal Using Unsupervised Domain-Classifer Guided Network*. **Citations: 210+**, **GitHub Stars: 260+**
- ACMMM'23** 3. **Yeying Jin**, Beibei Lin, Wending Yan, Yuan Yuan, Wei Ye, Robby T. Tan. *Enhancing Visibility in Nighttime Haze Images Using Guided APSF and Gradient Adaptive Convolution*. **Citations: 100+**, **Stars: 180+**
- AAAI'24** 4. **Yeying Jin**, Wei Ye, Wenhan Yang, Yuan Yuan, Robby T. Tan. *DeS3: Adaptive Attention-Driven Self and Soft Shadow Removal using ViT Similarity*. **Citations: 75+**
- ECCV'24** 5. **Yeying Jin**, Xin Li, Jiadong Wang, Yan Zhang, Malu Zhang. *Raindrop Clarity: A Dual-Focused Dataset for Day and Night Raindrop Removal*. **Citations: 20+**, **GitHub Stars: 70+**
- AAAI'23** 6. **Yeying Jin**, Ruoteng Li, Wenhan Yang, Robby T. Tan. *Estimating Reflectance Layer from A Single Image: Integrating Reflectance Guidance and Shadow/Specular Aware Learning*. **Citations: 40+**
- ACCV'20** 7. **Yeying Jin**, Wending Yan, Wenhan Yang, Robby T. Tan. *Structure Representation Network and Uncertainty Feedback Learning for Dense Non-Uniform Fog Removal*. **Citations: 70+**, **GitHub Stars: 170+**

6+ Co-First-Author Publications

- AAAI'26** 1. Wei Zhang, **Yeying Jin***, Xin Li, Yan Zhang, Xiaofeng Cong, Cong Wang, Fengcai Qiao. *UniFit: Towards Universal Virtual Try-on with MLLM-Guided Semantic Alignment*. **Used in Tencent Project**.
- CVPR'25** 2. Xin Li¹, **Yeying Jin***, ... *NTIRE 2025 Challenge on Day and Night Raindrop Removal for Dual-focused Images: Methods and Results*. **Citations: 30+**, **GitHub Stars: 70+**
- AAAI'24** 3. Beibei Lin*, **Yeying Jin***, Wending Yan, Wei Ye, Yuan Yuan, Shunli Zhang, Robby T. Tan. *NightRain: Nighttime Video Deraining via Adaptive-Rain-Removal and Adaptive-Correction*. **Citations: 20+**.
- AAAI'25** 4. Beibei Lin*, **Yeying Jin***, Wending Yan, Wei Ye, Yuan Yuan, Robby T. Tan. *NightHaze: Nighttime Image Dehazing via Self-Prior-Learning*. **Citations: 20+**.
- PR'25** 5. Zhiying Li, **Yeying Jin***, ... *Unveiling Hidden Vulnerabilities in Digital Human Generation via Adversarial Attacks*.
- ECCV'24** 6. Tingting Chen*, Beibei Lin*, **Yeying Jin***, Wending Yan, Wei Ye, Yuan Yuan, Robby T. Tan. *Dual-Rain: Video Rain Removal using Assertive and Gentle Teachers*.

Co-Author Publications

- CVPR'24** Bingchen Li, Xin Li, Hanxin Zhu, **Yeying Jin**, Ruoyu Feng, Zhizheng Zhang, Zhibo Chen. *SeD: Semantic-Aware Discriminator for Image Super-Resolution*. **Citations: 70+**, **GitHub Stars: 160+**
- EMNLP'24** Songtao Jiang, Tuo Zheng, Yan Zhang, **Yeying Jin**, Zuozhu Liu. *Med-MoE: Mixture of Domain-Specific Experts for Lightweight Medical Vision-Language Models*. **Citations: 75+**, **GitHub Stars: 150+**

¹* indicates equal contribution

- [ECCV'24](#) Xin Li, Bingchen Li, **Yeying Jin**, Cuiling Lan, Hanxin Zhu, Yulin Ren, Zhibo Chen. *UCIP: A Universal Framework for Compressed Image Super-Resolution using Dynamic Prompt*.
- [CVPR'25](#) Yunlong Lin, ..., **Yeying Jin**, ..., Xinghao Ding. *JarvisIR: Elevating Autonomous Driving Perception with Intelligent Image Restoration*. **Citations: 20+**, **GitHub Stars: 250+**
- [ICLR'26](#) Sixiang Chen, ..., **Yeying Jin**, ..., Lei Zhu. *PosterCraft: Rethinking High-Quality Aesthetic Poster Generation in a Unified Framework*. **GitHub Stars: 530+**
- [ICCV'25](#) Sixiang Chen, ..., **Yeying Jin**, ... *GenHaze: Pioneering Controllable One-Step Realistic Haze Generation for Real-World Dehazing*.
- [ACMMM'25](#) Qirui Yang, Fangpu Zhang, **Yeying Jin**, ... *DSDNet: Raw Domain Demoiréing via Dual Color-Space Synergy*.
- [IJCAI'25](#) Songtao Jiang, ..., **Yeying Jin**, ... *Modality-Fair Preference Optimization for Trustworthy MLLM Alignment*. **Citations: 20+**.
- [ADHIP'24](#) Songtao Jiang, ..., **Yeying Jin**, ... *Joint Visual and Text Prompting for Improved Object-Centric Perception with Multimodal Large Language Models*. **Citations: 20+**, **Best Paper Award**.
- [AAAI'26](#) Shuo Wang, ..., **Yeying Jin**, ... *Monodream: Monocular Vision-Language Navigation with Panoramic Dreaming*.
- [AAAI'26](#) Xudong Cai, ..., **Yeying Jin**, ... *Mem4D: Decoupling Static and Dynamic Memory for Dynamic Scene Reconstruction*.
- [TCSVT'25](#) Siyuan Wang, ..., **Yeying Jin**, ... *MMGT: Motion Mask Guided Two-Stage Network for Co-Speech Gesture Video Generation*.
- [ACL'25](#) Songtao Jiang, Yan Zhang, **Yeying Jin**, ... *HSCR: Hierarchical Self-Contrastive Rewarding for Aligning Medical Vision Language Models*.
- [ACL'25](#) Songtao Jiang, ..., **Yeying Jin**, ... *Fast or Slow? Integrating Fast Intuition and Deliberate Thinking for Enhancing Visual Question Answering*.
- [MICCAI'25](#) Songtao Jiang, ..., **Yeying Jin**, ... *Knowing or Guessing? Robust Medical Visual Question Answering via Joint Consistency and Contrastive Learning*.
- [TNNLS'25](#) Shuai Wang, ..., **Yeying Jin**, ... *SNN-FT: Temporal-Coded Spiking Neural Networks for Fourier Transform*.
- [NeurIPS'19](#) *Deep Learning-Based End-to-end Automatic Contouring and Automated Radiation Therapy Treatment Planning System*. Expo Demo'19.

Invited Talks & Outreach

- AAAI'26 Generative AI and Intelligent Agents in Low-Level Vision Workshop** (invited by Xin Li) | From Creation to Perception: **Generative AI** for Content Generation, Singapore
- ICCV'25 AI4Streaming Workshop** (Invited by Marcos V. Conde) | From Creation to Perception: **Generative AI** for Content Generation, USA
- ICLR'25 Open Multimodal Gathering** (Invited by Kevin Qinghong Lin) | AI × Gaming: Creative Applications of **AIGC**, Singapore
- Low-level Vision Community'26** (invited by Xiang Chen) textbar **AIGC-Powered** Game Marketing: From Generation to Deployment, Singapore
- Tencent Talks**
 - Exploring SORA2: Unlocking the Core of **AI Video** Creation (invited by Tencent Programmers Video), 2025
 - AI Video Generation**: When Wukong meets Yayoi Kusama (invited by Ruidong Wang), 2025
 - AI Generation**: Inspiring Game Marketing and Development (invited by Botao Li), 2025
 - Applications of **Generative AI** (invited by Jun Lang), 2023
- Adobe / Huawei / ByteDance Talks**
 - Adobe Reading Group: Light Effects Suppression (invited by Eric Kee), 2023
 - Huawei: Visibility Enhancement using **Generative Model** (invited by Michael Bi Mi), 2023
 - Huawei: Image/Video Restoration and **Generation** (invited by Michael Bi Mi), 2023
 - ByteDance: **Diffusion Model** in Image Processing (invited by Hanshu Yan), 2023
 - Huawei: Visibility Enhancement in Nighttime (invited by Michael Bi Mi), 2022
- AI TIME Seminar**
 - Raindrop Clarity: Dual-Focused, Day and Night, 2024
 - Shadow Removal using **Diffusion Model**, 2024
 - Intrinsic Image Decomposition, 2023
 - Unsupervised Image Restoration and **Generation**, 2022

Academic Activities

- Reviewer:** CVPR, ICCV, ECCV, NeurIPS, ICML, ICLR, TPAMI, IJCV, TIP, TCSVT, CVIU, AAAI, ACMMM
- Teaching Assistant:** EE5731 Visual Computing, EE5904 Neural Networks at NUS
- Mentored:** 2 Ph.D. and 2 M.Sc. students, 2 full-time at Tencent on-site; 4 M.Sc. students at NUS
- Poster Presentations:** VALSE, 2024; Singapore Vision Day, 2023; AI Research Symposium by AISG, 2023

Skills

Proficient: *Python, PyTorch, L^AT_EX, TensorFlow, ComfyUI, WebUI, C, HTML*
Languages: Mandarin (Native) and English (Professional)