

Résumé – Ronghuan Wu

🌐 kingnobro.github.io

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EDUCATION

City University of Hong Kong, Hong Kong SAR, China
Ph.D. Student in Computer Science (Jan 2023 – Dec 2026)
Advisors: Prof. [Jing Liao](#) and Prof. [Kede Ma](#)
Research Focus: Vector Graphics Generation

University of Cambridge, Cambridge, United Kingdom
Visiting Ph.D. Student (Jun 2025 – Sep 2025)
Advisor: Prof. [Rafal K. Mantiuk](#)
Research Focus: High-Dynamic-Range Image/Video Generation

East China Normal University, Shanghai, China
B.S. in Computer Science (Sep 2018 – Jun 2022)

PUBLICATIONS

X2HDR: HDR Image Generation in a Perceptually Uniform Space
[Ronghuan Wu](#), Wanchao Su, Jing Liao, Kede Ma, Rafal K. Mantiuk
Preprint, 2026
[\[Paper\]](#) [\[Project Page\]](#)

LayerPeeler: Autoregressive Peeling for Layer-wise Image Vectorization
[Ronghuan Wu](#), Wanchao Su, Jing Liao
ACM SIGGRAPH Asia (Conference Track), 2025
[\[Paper\]](#) [\[Project Page\]](#)

Chat2SVG: Vector Graphics Generation with Large Language Models and Image Diffusion Models
[Ronghuan Wu](#), Wanchao Su, Jing Liao
IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2025
[\[Paper\]](#) [\[Project Page\]](#)

AniClipart: Clipart Animation with Text-to-Video Priors
[Ronghuan Wu](#), Wanchao Su, Kede Ma, Jing Liao
International Journal of Computer Vision (IJCV), 2024
[\[Paper\]](#) [\[Project Page\]](#)

IconShop: Text-Guided Vector Icon Synthesis with Autoregressive Transformers
[Ronghuan Wu](#), Wanchao Su, Kede Ma, Jing Liao
ACM Transactions on Graphics (Proc. of SIGGRAPH Asia), 2023
[\[Paper\]](#) [\[Project Page\]](#)

WORK EXPERIENCE

SEP 2022 – DEC 2022	Research Assistant , City University of Hong Kong Trained generative models for vector icon synthesis.	<i>Hong Kong SAR, China</i>
NOV 2021 – FEB 2022	Computer Graphics Engineer Intern , Wengold (Startup) Designed a cloth simulation system and a virtual camera system in Unreal Engine.	<i>Shanghai, China</i>
MAY 2021 – AUG 2021	Software Engineer Intern , Ant Group Developed web applications for healthcare information management.	<i>Shanghai, China</i>

TALKS

DEC 2025 **SIGGRAPH Asia**: Oral presentation for *LayerPeeler*
JUL 2025 **University of Cambridge**: *Vector Graphics Generation*
DEC 2023 **SIGGRAPH Asia**: Oral presentation for *IconShop*

PROFESSIONAL SERVICES

Reviewer: SIGGRAPH, SIGGRAPH Asia, CVPR, IJCV, TVCG, TIP, CGI
Teaching Assistant: Database System, City University of Hong Kong