

# Kwanggyoon Seo

Generative AI for image, video, and facial animation

☎ +1 (213) 654-7670 ✉ [seokg1023@gmail.com](mailto:seokg1023@gmail.com) 🌐 [seokg.github.io](https://seokg.github.io) 🔗 [/seokg](https://seokg) in [/seokg](https://seokg) 🎓 [Google Scholar](https://scholar.google.com/citations?user=seokg)

## 🎓 EDUCATION

- Aug. 2024 **Ph.D. — Graduate School of Culture Technology, KAIST**  
➢ Supervisor: Junyong Noh  
➢ Thesis: Portrait Video Manipulation and Synthesis using Pre-trained Generative AI
- Aug. 2018 **Master — Graduate School of Culture Technology, KAIST**  
➢ Supervisor: Junyong Noh  
➢ Thesis: Interactive Shadow Removal using a cGAN
- Aug. 2016 **BS — Department of Electrical Engineering, KAIST**

## 💼 PROFESSIONAL EXPERIENCE

- Jun. 2024 – Present **Sr. Research Scientist | Flawless AI — California, United States**  
Jun. 26 – Present | **Sr. Research Scientist**  
Jun. 24 – Jun. 26 | **Research Scientist**  
➢ Topics: facial animation, Gaussian splatting, diffusion models, video generation  
➢ Post-training of large foundation video generation model  
➢ End-to-end development of diffusion-based audio-driven facial animation systems (data curation, training, evaluation, deployment)  
➢ Products: [Deep Editor](#) and [TrueSync](#)  
➢ Movie credits: [Watch the Skies](#) and [Vincent Must Die](#)  
➢ Press: [TIME100 Most Influential Companies 2025](#); 2025–2026 HPA Award for Innovation in Post Production; [Lumière Award for Production Technology](#)
- Jan. 2024 – Apr. 2024 **Consultant | Anigma Technologies — Republic of Korea**  
➢ Topics: GAN-based image generation and manipulation  
➢ Collaborators: Seonghyun Kim, Kyungmin Cho, Chang Wook Seo

## 🔬 SELECTED PUBLICATIONS

- Face&Gestures 2026** **Polyglot: Multilingual Style Preserving Speech-Driven Facial Animation**  
*Federico Nocentini, Kwanggyoon Seo, Qingju Liu, Claudio Ferrari, Stefano Berretti, David Ferman, Hyeonwoo Kim, Pablo Garrido, Akin Caliskan*
- TOG** **LM-EDIT: Emotion Manipulation for Talking-head Videos via Facial Landmarks**  
*Kwanggyoon Seo, Rene Jotham Culaway, ByungUk Lee, Junyong Noh*
- SIGGRAPH 2026** **A Deep Learning-based Virtual Oculoplastic Surgery Simulator**  
*Seonghyun Kim, Changwook Seo, Kwanggyoon Seo, Seung Han Song, Junyong Noh*
- TOG** **Mesh-Agnostic Audio-driven Facial Animation**  
*Kwanggyoon Seo\*, Sihun Cha\*, HyeonHo Na, Inyup Lee, Junyong Noh*
- SIGGRAPH 2025** **Speed-Aware Audio-Driven Speech Animation using Adaptive Windows**  
*Sunjin Jung, Yeongho Seol, Kwanggyoon Seo, Hyeonho Na, Seonghyeon Kim, Vanessa Tan, Junyong Noh*
- KCGS 2025** **Stylized Face Sketch Extraction via Generative Prior with Limited Data**  
*Kwan Yun\*, Kwanggyoon Seo\*, Chang Wook Seo\*, Soyeon Yoon, Seongcheol Kim, Soohyun Ji, Amirsaman Ashtari, Junyong Noh*
- TOG** **StyleCineGAN: Landscape Cinemagraph Generation using a Pre-trained StyleGAN**  
*Jongwoo Choi, Kwanggyoon Seo, Amirsaman Ashtari, Junyong Noh*
- SIGGRAPH Asia 2024** **StylePortraitVideo: Editing Portrait Videos with Expression Optimization**  
*Kwanggyoon Seo, Seoung Wug Oh, Jingwan Lu, Joon-Young Lee, Seonghyeon Kim, Junyong Noh*
- CGF** **Neural Crossbreed: Neural Based Image Metamorphosis**  
*Sanghun Park, Kwanggyoon Seo, Junyong Noh*
- Eurographics 2024**
- CVPR 2024**
- CGF**
- Pacific Graphics 2022**
- TOG**
- SIGGRAPH Asia 2020**

Full list: [Google Scholar](https://scholar.google.com/citations?user=seokg)

\* denotes equal contribution