

# JUNYOUNG KOH

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## EDUCATION

**Integrated MS/Ph.D of AI**, Yonsei University  
**Bachelor of Media**, Soongsil University

2023 - Current  
2017 - 2023

## SKILLS

<b>Technical Skills</b>	Data Preprocessing, Prompt Engineering, Model Evaluation and Validation
<b>Tools</b>	Python, Pytorch, Tensorflow, Keras, Gradio, Selenium, BeautifulSoup, openCV, imgutils

## WORK EXPERIENCE

**AI Team Leader**  
ONOMA AI

Aug 2023 - Sep 2024  
*Seoul*

- Awarded CES 2024 Innovation Award in the field of Artificial Intelligence
- Developed and implemented AI algorithms and models to / Made world first Webtoon-like Foundation SDXL Model with 10M Common Crawling Datas.
- Personalized Adapter Model for Foundation base model, LoRA Train for non-general Images.
- Developed Prompt Engineering for Inference High Quality Images, Story Generation and Character Sheet Generation.

## WORK PROJECTS

**Animation Foundation Model built upon SDXL** Built a model to generate all of animation, manga and webtoon characters upon Stable Diffusion XL model. Over 10,000,000 character image data have been used to build it! ([Try it here](#))

**Pesonalized Character Generation Model** Build a model that could be adapted within foundation model using LoRA. Generating own characters is easy when you give me the GPU!

**Text Prompt Engineering** Build a Text Prompt Engineering Pipeline. GPT-4, CogVLM, Gemini instruction tuning for making stories or tags that need to generate images. ([Try it here](#))

## PUBLICATION

### Technical Report

1. Sang hyun Park<sup>1</sup>, **Jun Young Koh**<sup>1</sup>, Junha Lee, Joy Song, Dongha Kim, Hoyeon Moon, Hyunju Lee, Min Song. (2024). Illustrious: an Open Advanced Illustration Model. Technical Report. [PDF](#) [arXiv](#) [HuggingFace](#) [CivitAI](#)

### Conference

1. **Jun Young Koh**<sup>1</sup>, San Hyun Park<sup>1</sup>, Joy Song<sup>1</sup>. (2024). Improving Text Generation on Images with Synthetic Captions. IIAI AAI 2024 16th International Congress on Advanced Applied Informatics. [PDF](#) [arXiv](#)

### Workshop

1. Jae Wan Park<sup>1</sup>, Sang Hyun Park<sup>1</sup>, **Jun Young Koh**<sup>1</sup>, Junha Lee<sup>1</sup>, Min Song. (2024). CAT: Contrastive Adapter Training for Personalized Image Generation. CVPR 2024 Workshop Generative Models for Computer Vision. [PDF](#) [arXiv](#) [Workshop](#)

## Proceedings

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<sup>1</sup>Equal contribution

1. **Jun-Young, Koh**, Kang-Hee Lee. (2022). Proposal of 3D Camera-Based Digital Coordinate Recognition Technology. The Korea Society of Computer and Information Summer Conference 2022.

## ACADEMIC SERVICES

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### Reviewer

- **IEEE (SCI) Access Journal Reviewer** : (2024.08 - Current)