

# Personal Resume

Jing Li



Phone: +86 17718300070

Gender: Male

English Proficiency: CET-6

Email: li@mail.ncut.edu.cn

## 一、Personal Statement

Dear Professor:

My name is Jing Li, and I graduated with a Bachelor's degree in Electronic Information Engineering from Henan Normal University. I am pursuing a Master's degree in Information and Communication Engineering at North China University of Technology, with an expected graduation date of June 2025.

### 1. Motivation

My motivation for pursuing a Ph.D. stems from a deep interest in generative artificial intelligence and a passion for research. The magazine *We Love Science* in elementary school was a window for me to understand the world, and it was also the cornerstone of my worldview and values. Thanks to this, I consistently excelled in mathematics and physics throughout middle and high school. In college, my fascination with electronic products led me to major in Electronic Information Engineering. During my master's studies, my goal is to create value for society through continued scientific inquiry and innovation.

### 2. Research Background

During my undergraduate studies, I focused primarily on signal and circuit-related experiments. As a Master's student, I have been conducting research on 3D content generation under the supervision of Academician Lijun Wang. In my first year, I studied foundational models in generative AI and collaborated with the Beijing Key Laboratory of Disaster Medicine on VR-based psychological stress relief research. I participated in experiments on emotion recognition and classification using EEG signals and constructed an EEG-based emotional classification dataset. In my second year, I worked on 3D content generation methods. To date, I have published one paper in an international conference and one in an international journal, with an additional paper accepted at ECCV 2024's SyntheticData4CV workshop. I am highly self-motivated, and my ultimate goal is to further the development of 3D data generation technologies through my efforts, creating greater value for society.

### 3. Research Plan

There are several unresolved challenges in 3D content generation, such as controllability and subject consistency. For my PhD studies, I plan to focus on personalized 3D content generation, addressing key challenges related to subject consistency and editability. If fortunate enough to become your student, I will read papers, conduct experiments, and regularly discuss my findings. In line with the research goals, I will work diligently to achieve my objectives and strive to publish high-quality papers at CCF-A conferences. Furthermore, I hope to pursue further studies abroad after completing my PhD.

## 二、Academic

### ➤ Education

September 2015 — June 2019      Henan Normal University      Electronic Information Engineering  
September 2022 — Present      North China University of Technology      Information and  
Communication Engineering      GPA 3.96

### ➤ Research Experience

**Collaborating Institution:** Zhejiang University; Beijing Key Laboratory of Disaster Medicine

**Research Focus:** 3D Gaussian Splatting; Diffusion Models; Personalized texture synthesis and 3D content generation

**Key Contributions:** Achieved state-of-the-art (SOTA) results in personalized texture synthesis.

#### **Publications:**

- 1、Li J, Li Z, Li Y, et al. P-2.12: A Comprehensive Study of Content Generation Using Diffusion Model[C]//SID Symposium Digest of Technical Papers. 2023, 54: 522-524. (EI Indexed)
- 2、Li J, Li Z, Jiang P, et al. Guiding 3D Digital Content Generation with Pre-Trained Diffusion Models[J]. International Journal of Advanced Computer Science & Applications, 2024, 15(1). (ESCI Indexed)
- 3、DreamTexture: High-Fidelity Synthetic 3D Data Generation through Decoupled Geometry and Texture Synthesis[C]. (ECCV 2024-SyntheticData4CV)
- 4、Software Copyright: "Multimodal Image Intelligent Generation System."

#### **Project Involvement:**

- 1、National key research and development program (NO. 2020YFC0811004)
- 2、High level talent scientific research start-up fund (NO.107051360021XN090/001)
- 3、National Natural Science Foundation of China (62293554, 62206249, U2336212)
- 4、Natural Science Foundation of Zhejiang Province, China (LZ24F020002)

### ➤ Honors & Awards

First Prize, Graduate Category, 11th National "Datang Cup" ICT Competition;  
Second Prize, Graduate Category, 10th National "Datang Cup" ICT Competition;  
Third Prize, China Mobile Maker Marathon Competition;  
Second Prize, Graduate Academic Forum, North China University of Technology;  
Graduate Academic Scholarship;  
Excellent Student Leader, Outstanding Student Award;

### ➤ Skills

**Programming:** Python

**Software:** Premiere Pro, After Effects, Protel 99SE