

# Minhyeok Bang

☎ (+82) 10-2002-4081 | ✉ bunsss77@jbnu.ac.kr | 🌐 oweixx |

## EDUCATION

---

### JBNU (Jeonbuk National University)

Mar. 2019 – Feb. 2027 (Expected)

*B.S. in Computer Science and Engineering*

Jeonju, Republic of Korea

- Total GPA of **4.24 / 4.5**, Major GPA **4.37 / 4.5** (class rank **2 / 94**)
- Coursework: Computer Graphics, Computer Vision, Machine Learning, Deep Learning
- Research Interests: 3D Gaussian Splatting, 3D Head Avatar, Mesh Deformation, Computer Graphics

## RESEARCH EXPERIENCE

---

### Visual Media Lab @ KAIST

Dec. 2025 – Present

*Undergraduate Researcher (Advisor: Junyong Noh)*

Daejeon, Republic of Korea

- Conducted **EDGAR** research, contributing to dataset construction, design of the 3DGS Head refinement pipeline, and experiments.

### Vision Intelligence Lab @ JBNU

Apr. 2025 – Present

*Undergraduate Researcher (Advisor: Se-Ho Lee)*

Jeonju, Republic of Korea

- Led the **Geometry-Aware Style Transfer** research end-to-end, from problem formulation, code implementation, experiments, and result analysis to paper writing.
- Conducted research on 3D Gaussian Splatting, Diffusion-based Relighting, and related projects.

## PUBLICATIONS

---

### EDGAR : Efficient Diffusion-Driven Gaussian Avatar Refinement via Synthetic Failure

*Under Review*

- contributing to dataset construction, design of the 3DGS Head refinement pipeline, and experiments.

### Geometry-Aware Style Transfer in 3D Gaussian Splatting

*Under Review*

- Designed a decoupled optimization framework separating color and geometry updates, improving structural fidelity in stylized 3D scenes.
- Introduced contrastive feature matching across color, depth, and edge cues to enhance geometric consistency.

## INDUSTRY EXPERIENCE

---

### WWD Korea Magazine & Gallerie X

Jul. 2023 – May. 2024

*Visual Media Art Designer*

Seoul, Republic of Korea

- **Seoul Fashion Week 24 F/W** : Oversaw the planning and production of the NewJeans main promotional video, managing 3D visual direction and final editing.
- **Runway to Seoul** : Producing interactive tech booth content and runway stage visuals.
- Worked media art productions including the Starfield COEX Mall exhibition and MAMA 2023 stage visuals
- Participated as a 3D AR Exhibition Designer, creating immersive digital exhibition environments.

## TRAINING EXPERIENCE

---

### Naver BoostCamp AI Tech 7th – CV Track

Aug. 2024 – Feb. 2025

Participant

Seoul, Republic of Korea

- Completed an intensive 6-month program focused on Computer Vision and Deep Learning, covering advanced topics such as object detection, OCR, and semantic segmentation.
- Participated in 4 AI challenges (Classification, Detection, OCR, Segmentation), achieving up to 1st place (1/24) by leading model optimization and data augmentation strategies.

### Google Machine Learning BoostCamp 5th

Jul. 2024 – Oct. 2024

Participant

Seoul, Republic of Korea

- Completed the Coursera Machine Learning Specialization by Andrew Ng, focusing on deep learning theory and practical applications.

## AWARDS

---

2026 **President's Award**, Academic Excellence Award

*JBNU*

2025 **GrandPrize**, AI Specialized Education Project

*JBNU*

2024 **Top 3% (89 / 2739 Teams)**, ISIC 2024 – Skin Cancer Detection with 3D-TBP

*Research Track, Kaggle*

2023 **Excellence Award**, 1st Korea NFT Digital Art Exhibition

*Maeil Business Newspaper*

## SKILLS

---

**Programming** : Python, C/C++, CUDA, Java

**Deep Learning** : PyTorch, Scikit-learn, Keras, TensorFlow

**Graphic Design** : 3D Modeling, Texturing, Character Rigging, Animation, Composition

**Design Tools** : CLO 3D, DAZ 3D, Cinema 4D, Blender, Adobe After Effects