Won Yang.

Virtual Production Technician

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PROFILE

VP system engineer who has built three LED volumes (Kantana, Daejeon Cube, Sejong) and run Netflix and Amazon productions on them, including the HDR pipeline that let Hellbound 2 sign off color on set. Debugs the whole chain alone, from media server and tracking to sync and color, and writes the tools the stage is missing (UE5 C++ plugin, Blender add-on). Four years in Korea; now at NYU Tisch for an MPS in Virtual Production.

EXPERIENCE

VP System Engineer · Daejeon Cube Studio (KOCCA), via XON Studio — 2025.08 – 2026.07 · Daejeon, Korea

Government-funded stage; XON Studio held the operating contract and placed me on site full time

- Joined the build of the largest LED studio in Korea (23K wide, 8 m tall): redesigned network routing, authored custom EDIDs and recalibrated OptiTrack and EzTrack tracking.
- Brought up the first SMPTE-timecode Pixera system on a 100G backbone in Korea and kept it stable in production.
- Operated and maintained the stage across four productions with an Alexa 35 and Signature Prime package.

VP Technician · XON Studio — 2025.08 – 2026.07 · Seoul, Korea

Same period as the Cube Studio placement above; XON projects outside that contract

- Agent Kim Reactivated (SBS drama, webtoon adaptation): ran the driving-scene shoots on the LED stage. The action-heavy scenes needed plates the standard setup could not capture, so I designed a new capture rig for plate acquisition and shot the sequences with it.
- Sejong University AI Media Lab: built the first VP stage at a Korean university by re-deploying the equipment from XON's own stage. Owned the Disguise setup and stabilization and the stage system as a whole.

VP Technician · Dexter Studios (D1 Studio) — 2022.05 – 2025.07 · Seoul, Korea

- Hellbound 2 (Netflix): built the HDR color pipeline (P3-PQ, Rec.2020) with Calman captures and 3D LUT Creator LUTs on Brompton Tessera, matching Alexa Mini LF and Alexa 35 so HDR sign-off moved from post to the stage.
- Butterfly (Prime Video): driving-plate supervisor for four vehicles. Pre-validated angles and reflections in UE5 techviz and ran a three-camera Disguise MR Set, delivering 70+ shots in one day without reshoots.
- Kantana Studio (Thailand): designed and installed the LED system, integrated Disguise, Brompton and stYpe tracking with Genlock/LTC sync, trained a local crew of about 30 over two weeks and led the launch demo shoot.

Camera Assistant · Freelance — 2020 – 2022 · Seoul, Korea

- Third AC on drama, commercial and music video sets: rigging, lens and media support, continuity, and on-set troubleshooting under tight schedules.

EDUCATION

2026 – 2027 — **NYU Tisch School of the Arts** · MPS, Virtual Production — New York · Expected May 2027

2016 – 2022 — **Sungkyul University** · B.A., Theatre & Film — Korea

SKILLS

STAGE	Disguise · Pixera · nDisplay · Unreal Engine 5 (Blueprint, LiveLink, Sequencer, MRQ) · Blender · MetaHuman
CAMERA & LED	OptiTrack · stYpe · Mo-Sys · EzTrack · Brompton Tessera · 3G/12G SDI · NDI · DisplayPort / fiber · EDID
SYNC & COLOR	Genlock · LTC / SMPTE timecode · PTP · 100G · OCIO / ACES · Calman · 3D LUT Creator · DaVinci Resolve · HDR (PQ)
CODE & CONTROL	C++ · Python · TypeScript · GLSL · Art-Net · DMX
TOOLS BUILT	StageForge (UE5 C++ plugin) · VP_Techviz (Blender add-on) · MetaHumanCloth (Blender → UE5 pipeline) · VAULT (asset and shot data, TypeScript)
LANGUAGES	Korean (native) · English (working proficiency)