Jiwon Park

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EDUCATION

University College London   **Sep 2023 - Sep 2024**

MSc Computer Graphics, VIsion and Imaging | Awarded Distinction

- **Thesis** (Supervisor: Prof. Lourdes Agapito): GaussCraft: Precision Editing and Reconstruction with 2D Gaussian Splatting
- **Key Modules**: Machine Learning for Visual Computing, Robot Vision and Navigation

University of Birmingham   **Sep 2020 - June 2023**

BSc Computer Science, First-Class with Honors

- **Thesis** (Supervisor: Dr. HyungJin Chang): Non-Human Primates Pose Estimation using Transformers
- **Key Modules:** Machine Learning & Data Analysis, Computer Vision & Imaging

PROJECT EXPERIENCE

Passport Control VR Simulator - Unity + Oculus Quest 2

- Developed VR training simulation for border control using Unity and C#.
- Simulated document checks and interaction logic for immersive training.

Heat Kernel Signature Implementation - Numpy + Trimesh

- Implemented mesh classification using Heat Kernel Signatures for 3D objects.
- Developed feature pipeline and evaluated classification performance.

Swaperty (2022) - Django + React

- Full-stack web application for property swapping with secure login and listing features.
- Designed UX for user flow and optimized backend for data handling.

EXPERIENCE

Social Service Agent - Republic of Korea Mandatory Service   **Dec 2024 - Sep 2026**

Ministry of Health and Welfare

- Fulfilling military service through welfare work supporting vulnerable communities.
- Demonstrated responsibility, empathy, and dedication in public service.

TECHNICAL SKILLS

Python, C++, C#, Java, Haskell | PyTorch, NumPy, OpenCV | Unity, AWS | Git, React, Django

SCHOLARSHIPS & LANGUAGES

- Achievement Admission Scholarship, University of Birmingham
- Languages: Korean (Native), English (Fluent)