Jiwon Park

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EDUCATION

University College London (UCL), London, UK

MSc Computer Graphics, Vision and Imaging · Sep 2023 - Jun 2024 | Awarded Distinction

- Thesis: 2D Gaussian Editing with Mesh Deformation (Supervisor: Prof. Lourdes Agapito)
- Key Modules: Machine Learning for Visual Computing, Robot Vision and Navigation

University of Birmingham, Birmingham, UK

BSc Computer Science · Sep 2020 - Jun 2023 | First-Class Honours

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

PROJECT EXPERIENCE

Passport Control VR Simulator - Unity + Oculus Quest 2

- Built a VR training system for border control officers using Unity and C#.
- Created realistic interaction logic and 3D simulation workflows.

Heat Kernel Signature Implementation - Python

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

Swaperty - Django + React

- Created a full-stack property exchange site with user auth and listing system.
- Managed both frontend (React) and backend (Django) development.

TECHNICAL SKILLS

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

ADDITIONAL EXPERIENCE

Social Service Agent - Republic of Korea Mandatory Service

Ministry of Health and Welfare · Jul 2024 - Sep 2026 (Expected)

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

SCHOLARSHIPS & LANGUAGES

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