Jaeyi Jeong

BSc student

✉ : **jaeyi.jeong@epfl.ch**

☎ : **+41 78 253 59 85**

Interest

Vision-based AI for practical tasks like object detection & semantic segmentation, (e.g, autonomous and architectural systems)

Education

- 2022 - 2025, Ecole Polytechnique Fédérale de Lausanne (**EPFL**), Bachelor in **Communication System**, School of Computer and Communication Sciences

- 2019 - 2022, Lycée Français International Marguerite Duras (**LFI Duras**), graduated with **highest honor**

Experience

2025.07 – 2025.11, Research Project (Internship)

SNU VGI Lab & Google DeepMind

VLM

2025.02 – 2025.07, Bachelor Research Project

EPFL DHLab

Semantic segmentation of architectural floor plans using SegFormer and OpenCV with a focus on preprocessing and vectorization

2024.09 – 2025.07, Vice President, Korean Student Association at EPFL (**KORAL**)

Founding member and current Vice President of EPFL's first official Korean Student Association since the school's establishment

Skills

Languages : English (Native-like fluency) / French (Native, DALF C2 certified), Korean (First language)

Programming Languages : Python (Pytorch, NumPy, Pandas, OpenCV, EasyOCR, Segformer), Java, Kotlin, Scala

Projects

- *[AlexNet Reimplementation],* 2025.07

- *[VGGNet Reimplementation],* 2025.07

- *[GoogLeNet Reimplementation],* 2025.08

- *[ResNet Reimplementation],* 2025.08

- *[BrewR],* 2024.09 - 2025.01 (CS-311 Team Project), Developing a mobile app using **Kotlin**, Firebase, Google Maps API, etc.

- *[BillMateOCR],* 2024.08 (Personal Project), Built a Python tool using GPT API to extract menu data into JSON, **Python**

- *[ExchangeRate],* 2024.07 (Personal Mini Project), Built a CLI application using **Jsoup** to scrape real-time exchange rates and convert currencies

- *[Javions],* 2023.02 - 2023.07 (CS-108 Semester Project), Developed a flight tracker using **Java**

- *[ICRogue],* 2022.11 - 2022.12 (CS-107 Mini Project), Developed a simple 2D roguelike game using **Java**