

# Birken Silitch

📍 Seoul, Korea    ✉ dlwltk@yonsei.ac.kr    ☎ 010-2120-3937    in Birken Silitch    🔄 dlwltk

Passionate student focused on artificial intelligence research with emphasis on machine learning, natural language processing, and deep learning architectures. Experienced in Python, PyTorch, and TensorFlow with strong background in data analysis, algorithmic optimization, and neural network experimentation. Interested in bridging theoretical research with practical applications, improving model efficiency and interpretability, and contributing to innovative projects with real-world impact.

## Education

**BS**    **Yonsei University**, Department of Artificial Intelligence    Sept 2024 – Current

- **Second Year Student**
- **Coursework:** Computer Programming, OOP, Calculus 1+2, Probability and Statistics

## Skills and Technologies

**Languages:** English(Fluent), Korean(Fluent), French(Working Proficiency)

**Coding Languages:** Python, C++, SQL, JavaScript

**Technologies:** Linux, Github, PyTorch, TensorFlow, LaTeX, Docker

## Projects

### Pokemon-Master (OOP Class Assignment, Yonsei University)

- Developed a console-based Pokémon simulation implementing object-oriented programming principles. Designed classes for Pokémon, moves, and battles, encapsulating behaviors, inheritance, and polymorphism. Managed game flow logic, user input, and state transitions while ensuring code modularity and maintainability.
- Tools Used: C++

<https://github.com/dlwltk/Pokemon-Master/> 

### Image Classification with Convolutional Neural Networks

- Implemented a convolutional neural network in PyTorch to classify images from the CIFAR-10 dataset. Trained and validated the model, achieving 70% test accuracy. Explored techniques such as dropout, batch normalization, and learning rate scheduling to improve generalization. Gained hands-on experience with dataset preprocessing, GPU training on Google Colab, and model evaluation using accuracy and confusion matrices.
- Tools Used: PyTorch, Python

## Work Experience

### Thousand Cafe, Barista Leader

- **Led daily operations and supervised staff**, developing strong leadership, teamwork, and problem-solving abilities in a fast-paced environment.
- **Handled scheduling, customer service, and conflict resolution**, building organizational skills, communication, and the ability to stay effective under pressure.

Seoul, Korea  
July 2023 – Current