Jinhyung (Jean) Bae

Email: kevinbae2006@gmail.com | **GitHub:** github.com/nepersoned | **Location:** Republic of Korea

EDUCATION

Hankuk University of Foreign Studies (HUFS) | *Mar 2025 – Present*

- **Major:** Industrial and Management Engineering

- **Double Major:** AI Data Convergence

- **Relevant Coursework:** Data Structures & Algorithms, Machine Learning, Information System Development, Calculus, Linear Algebra.

TECHNICAL SKILLS

- **Languages:** Python (Advanced)

- **Optimization/Modeling: Pyomo**, PuLP, NumPy, Pandas

- **Web/Visualization:** Dash (Plotly), HTML/CSS

- **Tools:** PyCharm Professional, Git/GitHub

PROJECTS

OptiMystic Solver (Personal Project) | *Dec 2025 – Present*

- Developed a web-based optimization dashboard using **Python** and **Dash**.

- **Key Achievement:** Successfully refactored the entire modeling engine from **PuLP to Pyomo** to enhance solver independence and high-level abstraction.

- Implemented logic to translate user-defined parameters into mathematical models for various optimization problems.

- **Source:** github.com/nepersoned/OptiMystic

AI-based Historical Document Translation (Team Project) | *Feb 2026 – Present*

- Participating in a project to translate the *Seungjeongwon Ilgi* (Journals of the Royal Secretariat) into modern Korean.

- Applied **Transfer Learning** techniques using data from the *Joseon Wangjo Sillok* (Annals of the Joseon Dynasty).

ACTIVITIES & OTHERS

- **INFORMS (The Institute for Operations Research and the Management Sciences):** Student Member (*Jan 2026 – Present*)

- **GitHub Student Developer Pack:** Selected Member (*Feb 2026*)

- **Languages:** Korean (Native), English (Fluent), German (Currently studying)

- **Note:** Scheduled to begin mandatory military service on **August 11th, 2026**. (Available for "Early Completion" projects finishing by July 31st)