JUHA CHOI (Hazel)

B.S. Candidate in Chemical Engineering, Inha University

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RESEARCH INTERESTS

e.g., Electrochemical energy storage and conversion · e.g., Catalysis and reaction engineering · e.g., Process systems engineering & machine learning for materials discovery

EDUCATION

Inha University, Incheon, Republic of Korea Mar 2023 – Feb 2027 (e

B.S. in Chemical Engineering · GPA 4.xx / 4.5

Relevant coursework: Transport Phenomena, Chemical Reaction Engineering, Chemical Engineering Thermodynamics, Process Design and Control, Separation Processes, Add electives relevant to target programs

RESEARCH EXPERIENCE

Undergraduate Research Intern Jan 2026 – Present

Lab name (e.g., Energy Materials Laboratory), Department of Chemical Engineering, Inha University · Advisor: Prof. Advisor Name

Project title in one line

- What you did (action verb) + how (method/tool) + result (number if possible).
- e.g., Synthesized and characterized 12 catalyst compositions via XRD/SEM/BET; identified a formulation with 1.8× higher activity.
- e.g., Built a Python pipeline to automate kinetic parameter fitting, cutting analysis time from 2 days to 2 hours.

PUBLICATIONS

Authorship is stated for every item. My name appears in bold. *equal contribution, †corresponding author.

Peer-reviewed journal articles

1. **Juha Choi**, A. Coauthor, B. Advisor. “Full title of the article.” *Journal of TODO* (2026). [In Preparation] — [First author (1st of 3)]

PRESENTATIONS

1. **Juha Choi**, B. Advisor. “Presentation title.” Poster presentation (presenting author), 2026 KIChE Fall Meeting (Korean Institute of Chemical Engineers), Daejeon, Korea, Oct 2026.

HONORS AND AWARDS

Dean's List / Academic Excellence Award Mar 2026

College of Engineering, Inha University

SCHOLARSHIPS AND GRANTS

Academic Excellence Scholarship Mar 2025 – Aug 2025

Inha University · Scholarship

TEACHING EXPERIENCE

Teaching Assistant, General Chemistry Laboratory Mar 2026 – Jun 2026
Department of Chemical Engineering, Inha University

- Led weekly lab sessions for ~30 students; graded reports and held office hours.

PROFESSIONAL EXPERIENCE

Process Engineering Intern Jul 2025 – Aug 2025
Company, City, Korea

- What you contributed.

LEADERSHIP AND ACTIVITIES

Member / Team Lead Mar 2024 – Present
Chemical Engineering Student Society, Inha University

- One-line description with a measurable outcome if possible.

SKILLS

Laboratory & Characterization	XRD, SEM/EDS, FT-IR, UV-Vis, BET, GC/HPLC, Electrochemical workstation (CV, EIS)
Process & Simulation	Aspen Plus / HYSYS, COMSOL Multiphysics, MATLAB
Programming & Data	Python (NumPy, pandas, scikit-learn), Git/GitHub, LaTeX
Other	Technical writing, Scientific presentation

LANGUAGES

Korean	Native
English	Fluent (professional working proficiency) · TOEFL iBT e.g., 110 (R29/L30/S25/W26)

References available upon request. Last updated Nov 2026