

# SEUNGWOO CHOI

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## EDUCATION

<b>Harvard University</b> <i>Ph.D. in Business Administration: Technology and Operations Management</i>	Cambridge, MA 2025 - Present
<b>Korea Advanced Institute of Science and Technology (KAIST)</b> <i>B.S. in Industrial and Systems Engineering (Honors Program), Economics (Minor)</i> <ul style="list-style-type: none"><li>Summa Cum Laude, Major GPA: 4.2/4.3</li><li>Thesis: Game-Theoretic Analysis of Diagnosis-Related Group Payment System under Minimum Quality Regulations</li></ul>	Daejeon, KR 2019 - 2025

## RESEARCH INTERESTS

<b>Theme</b>	Promoting equity and improving the welfare of underserved populations
<b>Topics</b>	Public Sector Operations, Education, Healthcare
<b>Methodologies</b>	Optimization, Game Theory, Mechanism Design, ML, Econometrics

## RESEARCH EXPERIENCE

<b>Undergraduate Researcher</b> <i>Advisor: Prof. Taesik Lee (KAIST)</i> <ul style="list-style-type: none"><li>Thesis: DRG Payment System (Healthcare Payment Policy)</li><li>Government-Funded Project: Delineation of Healthcare Service Area</li><li>Healthcare Literature Study Group</li></ul>	June 2023 - Sep. 2024
<b>Research Intern</b> <i>Advisor: Prof. Hyun-Jung Kim (KAIST)</i> <ul style="list-style-type: none"><li>Research Project: Insulation Production Scheduling Optimization</li></ul>	Dec. 2022 - June 2023
<b>Research Assistant</b> <i>Advisor: Prof. Jun Hyung Kim (KAIST)</i>	Oct. 2023 - Dec. 2023

## HONORS AND AWARDS

College of Engineering's Dean's List	Fall 2022, Fall 2023
Undergraduate Research Participation Fund	Winter 2023 - Spring 2024
Department Honors Scholarship	Fall 2022, Spring 2023, Fall 2023
Anthony Schrader Math Award	June 2019
Service Learning Award	June 2019

## VOLUNTARY ACTIVITIES

<b>KAIST Science Outreach Program</b> <i>English Tutor</i> <ul style="list-style-type: none"><li>Provided mentorship and free English lessons to economically disadvantaged middle school students.</li><li>Winter Camps (2023, 2024): Taught science and English while providing supervision.</li></ul>	Aug. 2022 - July 2023
<b>Unión El Ceibo</b> <i>Math Tutor</i> <ul style="list-style-type: none"><li>Designed and provided math lessons tailored to local children's interests.</li></ul>	Aug. 2017 - June 2019
<b>Barrio El Ceibo Community Service Project</b> <i>Leader</i> <ul style="list-style-type: none"><li>Led a wall-painting project with representatives of Barrio El Ceibo, a marginalized community.</li><li>Managed supply procurement and oversaw expenditures.</li></ul>	Sep. 2018

## PROFESSIONAL EXPERIENCE

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### Republic of Korea Army 2nd Operations Command

Jan. 2021 - July 2022

*English Interpreter / Personal Assistant to the Chief of Engineers / Assistant Squad Leader*

- Deployed to multiple combined trainings with the United States Forces Korea for English translation.
- Assisted the Chief of Engineers with translations and administrative tasks.

## SKILLS

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<b>Languages</b>	Python (NumPy, Pandas, Scikit-learn, Gurobi, Matplotlib), Java, MATLAB, R, LaTeX
<b>Tools</b>	AnyLogic, Vensim

## PERSONAL

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<b>Nationality</b>	Republic of Korea, Argentina (Permanent Resident)
<b>Languages</b>	Korean (Native), English (Primary), Spanish (Advanced), Portuguese (Basic)