

# Youji Sung

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## Education

### Korea University

DEPARTMENT OF ECONOMICS

GPA: 3.94

Seoul, S.Korea

Mar. 2018 - Present

### Hanyoung Foreign Language High school

MAJOR IN CHINESE

Seoul, S.Korea

Mar. 2015 - Feb. 2018

## Relevant Coursework

Econometrics, Game Theory, Seminar on Money & Banking, Economic Growth and Business Cycles, Corporate Finance, Calculus, Linear Algebra, Real Analysis, Mathematical Statistics, Statistical Computer Software, Computer Language

## Experience

### Sejong City Real-Estate Market Analyzing Competition: The First Prize

ANALYZING SEJONG CITY REAL-ESTATE MARKET DATA FOR KOREA LAND AND HOUSING CORPORATION

- Analyzed and visualized the real-estate trading, population, news article data of Sejong City with Python.
- Implemented models such as LDA, HDBSCAN Clustering, Linear Regression on the data to find insights.
- Organized the characteristics of Sejong and made a presentation about our analysis.

LH COMPAS, Seongnam

Feb. 2021 - Apr. 2021

### Financial Engineering Research Competition: The First Prize

OPTION VALUE CALCULATING AND VISUALIZING PACKAGE FOR PYTHON

- Wrote codes to implement option valuation models in Python.
- Made user guides and example codes for the package and uploaded on the GitHub.

Korea University, Seoul

Jan. 2021

### NH Investor Profiling Competition: Finalist

ANALYZING TRADING DATA TO PROFILE INVESTMENT BEHAVIOR OF 2,30'S

- Analyzed and visualized the stock trading data with Python.
- Found insights from the data and made marketing suggestions for NH Investment Bank.

NH Investment Bank, Seoul

Nov. 2020 - Jan. 2021

### Jinri Scholarship

ECONOMIC RESEARCH: REASONS OF YOUTH UNEMPLOYMENT

- Designed the youth unemployment model for our hypothesis test.
- Gathered and analyzed the wage data with Python and R.

Korea University, Seoul

May. 2020 - Jan. 2021

## Skills

**Programming** Python, R, C++, LaTeX, MATLAB, SAS

**Data Science** Python, Pytorch, R

**Languages** Korean (Native) , English (Fluent) , Chinese (Elementary)

## Extracurricular Activity

### KUBIG (Data Science Society of Korea University)

PRESIDENT

- Redesigned the overall society structure and curriculum to focus on the academic growth of the members.
- Designed the logo, brochure, and homepage of the society to contact with other organizations.
- Contacted with other companies to get progress of the academic cooperation with KUBIG.
- Studied about several topics of ML, DL, and AI and done team-based project on such topics.

Seoul, S.Korea

Jan. 2020 - Present

### KUMU (Korea college student Mentor Union)

STAFF

- Gave a lecture about Economics to the middle school and high school students.
- Planned and managed the multiple events such as mentor training program for the union.

Seoul, S.Korea

Sep. 2019 - Jan. 2021