

# Yoonsang LEE

## College of Liberal Studies, SNU

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i Interested in ML, Data Mining, NLP



## EDUCATION

### SEOUL NATIONAL UNIVERSITY

SEOUL, KOREA

Major : Computer Science and Engineering, Statistics

Mar 2019 - Current

Relevant Coursework : Discrete Mathematics, Data Structures, Linear Algebra, Statistical Computing, Language and Computer

### GYEONGGI SCIENCE HIGH SCHOOL

SUWON, KOREA

Relevant Coursework : Data Structures, Algorithms, Object-Oriented Programming

Mar 2016 - Feb 2019

## EXPERIENCES

Jun 2022 Dec 2020	<b>KATUSA   ROKA Staff Office, HSC, HHBN, 2ID</b> <ul style="list-style-type: none"><li>➢ Serving in the Army which is mandatory in South Korea. Selected as KATUSA based on a TOEIC Test(scored 980 out of 990).</li><li>➢ Promoted from Private to Corporal and currently working as an administrative clerk.</li><li>➢ Managed personnel administrations of about 80 KATUSAs in HSC, which is the largest in Camp Humphreys.</li></ul>
Jan 2017 Jul 2016	<b>International Olympiad in Informatics Training Camp in Korea</b> <ul style="list-style-type: none"><li>➢ Summer School (29 Jul 2016 - 09 Aug 2016)</li><li>➢ Winter School (03 Jan 2017 - 14 Jan 2017)</li></ul>

## PROJECTS

### Finding Abandoned Animals with Keywords

Jul 2019 - Aug 2019

Developed a program finding one's abandoned animal based on specified categories and similar keywords, resulting better searching than official webpage

 Broadcasted on EBS

Word2Vec   Open API   Recommendation System   NLP

### Study on Correlation between National Power and Visa by Visa Network

May 2019 - Jun 2019

Constructed Visa Network and analyzed correlation between in/out degrees and GDP

Web Crawling   Gephi   Clustering   Data Mining

### Collaborative Filtering Recommendation System Correcting User Bias Based on Comments-Rating Relationship

Mar 2018 - Jun 2018

Suggested enhanced recommendation system using CNN trained by movie comments to unbiased user ratings

Recommendation System   CNN

### Development of Method Measuring Surface Tension of Liquid Using Leidenfrost Effect and Image Processing

Apr 2017 - Nov 2017

Calculated surface tension of liquid based on Image Processing and Edge Detection Algorithm

Image Processing   Edge Detection

## SCHOLARSHIPS

2021	Merit-Based Scholarship
2020	SNU Development Fund Scholarship, Merit-Based Scholarship, SCSC TA Scholarship
2019	Merit-Based Scholarship

## AWARDS

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- 2018 Silver, Korea Olympiad in Informatics
- 2018 Bronze, Samsung Humantech Paper Award(Biology)
- 2017 Gold(1st place), Fall Conference of the Korean Society for the Gifted and Talented(ICT&Convergence)
- 2017 Best Poster Award, 2017 International Meeting of the Microbiological Society of Korea
- 2016 Gold(1st place), Seoul National University Data Mining Camp
- 2012 Silver, Korea Olympiad in Informatics

## PROGRAMMING

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- > C++
- > Java
- > Python
- > R
- > Xilinx VHDL

## LANGUAGE

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Korean	●	●	●	●	●
English	●	●	●	●	○
Deutsch	●	●	○	○	○
Chinese	●	○	○	○	○

## TEACHING EXPERIENCE

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### ELECTRICAL AND ELECTRONIC CIRCUITS

Sep 2020 - Dec 2020

- > Undergraduate TA
- Graded 3 exams and 4 homeworks of around 150 students

### PERSONAL TUTOR

Jul 2019 - Nov 2020

- > Taught Mathematics, Chemistry, Programming(C++, Python) and Computer Science(Data structures, Algorithms) to high school students

### INVITED TALK AT SNUE GIFTED SCIENCE EDUCATION CENTER

Jun, Oct 2019

- > Introduced trend of computer science to gifted students in informatics