# Yuseop **Lee**

MACHINE LEARNING DEVELOPER

*92-50, Samsan-ro, Suncheon-si, Jeollanam-do, Republic of Korea*

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## Summary

Dedicated and friendly programmer with 12 years of study in algorithm who is interested in deep learning. I won 13th place in the ACM International Collegiate Programming Contest(ACM-ICPC) Asia Seoul Regional. I have been taking an Korea University course in cyber defence and averaging a 3.57. Keen to utilize my skills in study of object detection and natural language processing.

## Education

**Korea University**                                                                                                                                      *Seoul, S.Korea*

BACHELOR OF SCIENCE IN (1ST) CYBER DEFENCE (2ND) IT CONVERGENCE SECURITY                                    *Mar. 2018 - Aug. 2022*

- GPA 3.57/4.5
- Full-funded Scholarship, 2018-2021

**Jeonnam Science High School**                                                                                                      *Naju-si, S.Korea*

GRADUATED                                                                                                                                          *Mar. 2015 - Feb. 2018*

## Project

**Dress YourSelf**                                                                                                                                      *Seoul, S.Korea*

AI DEVELOPER                                                                                                                                        *Apr. 2021 - Nov. 2021*

- Customized outfit coordination application using artificial intelligence
- Recommended outfit coordination based on user's clothing
- Recognition and classification of clothing using the YOLO model

**Law Akinator**                                                                                                                                        *Seoul, S.Korea*

AI DEVELOPER                                                                                                                                        *Jun. 2020 - Feb. 2021*

- Q&A-based judicial precedent recommendation web service
- Construction of a judicial precedent classification model using the LSTM structure
- Recommending appropriate precedents for answers through statistical models (Decision Tree, Naive Bayes)

**Othello AI**                                                                                                                                          *Naju-si, S.Korea*

AI DEVELOPER                                                                                                                                        *2016*

- Artificial Intelligence for Othello game using C++
- Weight learning based on the game process
- Using probability based statistics models through game theory

## Honors & Awards

### MACHINE LEARNING

| 2020 | **Team: 7th Place / Model: 13th Place**, ETRI Autonomous Growth Artificial Intelligence Competition | *Online* |

### ALGORITHM

| | | |
|---|---|---|
| 2022 | **831th Place**, Google Code Jam Round 1B 2022 | *Online* |
| 2022 | **46th Place**, Google Kick Start Round B 2022 | *Online* |
| 2022 | **Candidate Master**, Codeforces | *Online* |
| 2022 | **World Rank: 2550th Place / Korea Rank: 35th Place**, Google Hash Code 2022 Qualification Round | *Online* |
| 2021 | **13th Place**, ACM-ICPC Asia Seoul Regional | *Seoul, S.Korea* |
| 2021 | **20th Place**, Union of Computer Programming Contest(UCPC) Final | *Seoul, S.Korea* |
| 2021 | **7th Place**, Korea University Collegiate Programming Contest(KCPC) Div.1 | *Seoul, S.Korea* |
| 2020 | **18th Place**, ACM-ICPC Asia Seoul Regional | *Seoul, S.Korea* |
| 2020 | **16th Place**, Union of Computer Programming Contest(UCPC) Final | *Seoul, S.Korea* |
| 2019 | **29th Place**, ACM-ICPC Asia Seoul Regional | *Seoul, S.Korea* |
| 2018 | **4th Place**, Korea University Collegiate Programming Contest(KCPC) Advanced Div | *Seoul, S.Korea* |
| 2011-2017 | **Silver Prize(2011,2012,2014-2017) / Bronze Prize(2013)**, Korea Olympiad in Informatics(KOI) Final | *Gyeongsan, S.Korea* |
| 2016, 2017 | **Finalist**, Nexon Youth Programming Challenge(NYPC) | *Seoul, S.Korea* |

# Teaching

| | | |
|---|---|---|
| 2020- | **Instructor**, HelloAlgo | *S.Korea* |
| 2019 | **Instructor**, (Soongsil, Korea, Hanyang) Univ. joint programming Camp & Competition | *S.Korea* |
| 2019 | **Instructor**, im4u winter camp | *S.Korea* |

# Extracurricular Activity

**HelloAlgo** *Seoul, S.Korea*

INSTRUCTOR OF ALGORITHM *Jul. 2020 -*

- Assisted the students for the KOI and USACO competitions.
- Made about 100 algorithmic problems.

**SW Maestro** *Seoul, S.Korea*

12TH TRAINEE *Apr. 2021 - Nov. 2021*

- Developed "Self Dress Cody", an outfit coordination application, using AI.
- Recognition and classification of clothing using the YOLO model

**FLIP** *Seoul, S.Korea*

PRESIDENT-2021 *Mar. 2018 -*

- The snowboard club in Korea University.

**TIGRIS** *Seoul, S.Korea*

ASSISTANCE CAPTAIN-2019 *Mar. 2018 - May. 2022*

- The ice hockey club in Korea University.

**AlKor** *Seoul, S.Korea*

MEMBER *Mar. 2018 - Feb. 2022*

- The algorithm club in Korea University.

**Creative Challenger Program(CCP) in Korea University** *Seoul, S.Korea*

AI DEVELOPER *Jun. 2020 - Feb. 2021*

- The ice hockey club in Korea University.

**International Olympiad in Informatics (IOI)** *Seoul, S.Korea*

TRAINEE *Jul. 2013 - Feb. 2015*

- Worked on a project called Law Akinator.