

# Hoon Heo

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🏠 <https://huffon.github.io>

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## Research Interest

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Natural Language Processing, Deep Learning

## Education

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### Hankuk University of Foreign Studies (HUFS)

Seoul, South Korea

B.E. IN SOFTWARE CONVERGENCE / B.A. IN PORTUGUESE

Mar. 2015 - Aug. 2019

- Cumulative GPA : 4.23 / 4.50

## Awards & Scholarship

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### AI Starthon Finalist

Seoul, South Korea

NIPA / NAVER

Aug. 2019

- Participated in AI Starthon 2019, the biggest Artificial Intelligence competition in Korea with colleagues and solved three tasks out of twenty (Textual Similarity, Question Answering, Intent Classification)
- Result: ranked 1st @Textual Similarity, ranked 2nd @Question Answering and ranked 5th @Intent Classification and earned 160K Won as a subsidy from Korean government

### Best Big Data Analysis Award

Gyeong-gi, South Korea

GYEONGGI CONTENTS AGENCY

Aug. 2018

- Designed chatbot for educational purpose on frequently used English idioms and expressions extracted from massive English movie and TV drama script data using Kakao Plus-friend API, Django, Spark, etc.

### First Distinction Scholarship

Seoul, South Korea

HANKUK UNIVERSITY OF FOREIGN STUDIES

Spring 2018, Fall 2018

## Teaching

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### NVIDIA Korea Deep Learning Institute

NVIDIA, Seoul, South Korea

TEACHING ASSISTANT

Jul. 2019

- Conducted TA (Teaching Assistant) role in the Computer Vision session @NVIDIA Korea Deep Learning Institute

### Computer Programming II

HUFS, Seoul, South Korea

TEACHING ASSISTANT

Aug. 2018 - Feb. 2019

- Covered basic Python programming
- Ran laboratories and had office hours every week. Also answered students' questions in person and online and marked assignments

## Volunteering

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### Coding Volunteering group, <Be a Coding Hero>

Gyeong-gi, South Korea

MICROSOFT KOREA & JA KOREA

Sep. 2017 - Dec. 2017

- Taught kids the basic concept of computer programming using Unplugged Coding education methods
- Helped students improve the capability of 'Computational Thinking' by letting them design and develop the concept of Future smart city by themselves using 'Kodu Game Lab'

### International Volunteering in Cambodia

Siem reap, Cambodia

DONGGUK UNIVERSITY

Summer 2013

- Taught basics on how to use computer, MS Word and MS Excel
- Ran a cultural exchange program between South Korea and Cambodia

## Language

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Native in **Korean**, Fluent in **English**, Intermediate in **Portuguese**

## Extracurricular Activity

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### AI Robotics KR NLP Study

*Seoul, South Korea*

STUDY LEADER

*Jul. 2019 - Nov. 2019*

- Held NLP study sessions every week as a leader and organized the curriculum. Reviewed related papers and studied NLP libraries such as spaCy and tutorials on PyTorch

### Deep Learning Paper review Study

*Seoul, South Korea*

REGULAR MEMBER

*Dec. 2018 - Present*

- Attended weekly sessions reviewing awesome Deep-learning papers

### Professional Course for Big Data Analysis

*Suwon, South Korea*

REGULAR MEMBER

*Jun. 2018 - Aug. 2018*

- Learnt various open-source softwares which are used in Data engineering such as Hadoop eco-system(Hadoop, Flume, Hive, Hbase, Sqoop, Zookeeper), Kafka and Spark
- Participated Big data analysis competition and won a First prize in the class competition and 5th in the whole-level competition

### Club Activity on IT trends

*Seoul, South Korea*

REGULAR MEMBER

*Sep. 2017 - Jan. 2018*

- Attended weekly sessions discussing IT topics
- Had a team project on IoT 'Smart home' using various Arduino modules

## Skills & Certificates

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**PROGRAMMING LANGUAGE:** Python, Java, C, SQL, Javascript, Shell Script

**LIBRARIES:** PyTorch, Tensorflow, spaCy, NLTK, KoNLPy

**DEVELOPMENT FRAMEWORK:** Django, Express.js, Android

[ CERTIFICATES ]

- Engineering Information Processing, National Technical Qualification Certificate, South Korea
- SQL Developer, Korea Data Agency, South Korea
- Natural Language Processing DLI Certificate, NVIDIA, United States [pdf]
- Computer Vision DLI Certificate, NVIDIA, United States [pdf]
- Multi-GPU DLI Certificate, NVIDIA, United States [pdf]