Soohwan Kim

AI Research Engineer

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Links	GitHub, Facebook, Tech Blog		

01 PROFILE

Current Co-founder & AI Research Engineer of TUNiB. Previously, I worked at Kakao Brain. I have skills and experience in Speech processing and NLP fields, and I am interested in all AI-related engineering. You can check my github (http://github.com/sooftware) to see what I've done and I'm doing.

02 EMPLOYMENT HISTORY

03/2021 — Present

Co-founder at TUNiB
Gangnam, Seoul

- Research & development of artificial intelligence that enables human-like conversation
- Webpage: http://www.tunib.ai/

11/2020 — 02/2021

AI Research Engineer at Kakao Brain
Pangyo, Gyunggi

- Research & development the latest NLP & Speech technologies.
- Development of NLP open-source library named pororo.
- Webpage: https://www.kakaobrain.com/

08/2020 — 10/2020

Internship at Kakao Brain
Pangyo, Gyunggi

- Researched & developed English, Chinese, and Korean speech recognition technology.
- Webpage:https://www.kakaobrain.com/

04/2020 — 08/2020

Internship at Spoken Language Lab
Mapo, Seoul

- Dept. of Computer Science & Engineering Sogang University.
- Studied speech recognition technologies based on deepl earning algorithm.
- Webpage: https://speech.sogang.ac.kr/

07/2018 — 08/2018

Internship at Samsung Multi-Campus
Gangnam, Seoul

- Taking software development training using Java and Database.
- Got the Outstanding-Award among the trainees.
- Webpage: https://www.multicampus.com/

03 EDUCATION

Mar 2014 — Feb 2021

Kwangwoon University
Seoul, South Korea

Bachelor of Engineering in Electronic and Communication Engineering

- Major in Electronic & Communication Engineering, Minor in Data Science.
- **Major GPA**: 3.90/4.5, **Total GPA**: 3.67/4.5
- **Scholarship**: Samsong Scholarship (2 years), Bima Scholarship (3 semester)
- **Internship**: Kakao Brain, Spoken Language Lab, Samsung Multi-Campus
- **Honors**: President's Award, People's Choice Award (Kwangwoon Engineering Festival), Outstanding Award (Multi-Campus), People's Choice Award (Startup Idea Contest)

04 PROJECT EXPERIENCE

Mar 2021 — Present

Open-domain Dialog System
TUNiB

- A study on the conversation model that is tailored to the character's characteristics.
- Development of chatbot that reflects character's characteristics.

Sep 2020 — Feb 2021

Pororo
Kakao Brain

- Platform Of neuRal mOdels for natuRal language prOcessing [link]
- Solve Various subtasks in the NLP and speech field by simply passing the task name.

Oct 2020 — Feb 2021

Multilingual Text-To-Speech
Kakao Brain

- Development of KakaoBrain's multilingual-TTS technology. [link]

Jan 2020 — Feb 2021

KoSpeech
Kwangwoon Univ.

- Modular & extensible end-to-end Korean automatic speech recognition toolkit [link]

05 OTHERS

Military Service

- Served and discharged from Republic of Korea Marine Corps (2015.09 - 2017.06)

Competition

- 2020 - **3rd Ranked**, AI Grand Challenge - Speech Recognition Track (Advisor)
- 2019 - **Finalist (12th Ranked)**, Naver AI Hackathon - Speech (Team Leader)

Publication

- **Open-Source Toolkit for End-to-End Korean Speech Recognition,** SIMPAC
- **KoSpeech: Open-Source Toolkit for End-to-End Korean Speech Recognition**, arXiv