

# KiHyun Nam

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## Interests

### Speech model, Generative model, Representation learning

SPEECH RECOGNITION, SPEECH SYNTHESIS, FLOW-BASED GENERATION, ANOMALY DETECTION

## Work Experience

### NAVER Clova Speech

DEEP LEARNING RESEARCHER

- Implemented End-to-End Automatic Speech Recognition models.
- Implemented Active Learning system for Automatic Speech Recognition.

S.Korea

Sep. 2019 - Feb. 2020

### Lionrocket

DEEP LEARNING RESEARCHER

- Implemented AI model to generate keypoints of face using audio signal.

S.Korea

Jun. 2019 - Aug. 2019

## Research Experience

### NAVER Clova Speech

DEEP LEARNING RESEARCHER

- (Interspeech2020, 1st author) ClovaCall: Korean Goal-Oriented Dialog Speech Corpus for Automatic Speech Recognition of Contact Centers. [paper/github]

S.Korea

Sep. 2019 - Feb. 2020

### Vision and Signal Processing Lab @ HUFS

STUDENT RESEARCHER

- Anomaly Detection

S.Korea

Nov. 2018 - present

## Education

### HUFS(Hankuk University of Foreign Studies)

COMPUTER SCIENCE AND ENGINEERING

S.Korea

Mar. 2015 - present

## Invited Talks

### Deep Learning Conference All Together(DLCAT)-2nd

‘MEET AUDIO WITH DEEP LEARNING’

- Slide

Daejeon, S.Korea

Jul. 2019

### Naver TechTalk

‘DEEP LEARNING SUPER RESOLUTION, WHERE ARE YOU NOW’

- Slide

Seongnam, S.Korea

Sep. 2018

## Projects

### Paper Review

DEVKIHYUN.GITHUB.IO - PAPER REVIEW

### Public Implementations

DEEP LEARNING PAPER

- Speech Recognition - ClovaCall (Pytorch-LAS)
- Super Resolution - SRCNN, VDSR, RDN (Tensorflow)
- Generative models - VAE, CVAE (Tensorflow)
- Style Transfer - InvertCnn, Neural Style Transfer (Tensorflow)