

Hyeongchan Kim

<http://kozistr.tech>

EDUCATION	Korea University of Technology and Education (KOREATECH)	Mar 2016 –
CHALLENGES & AWARDS	6 th place, NAVER NLP Challenge , SRL Task, 2018 4 th / 13 th place, NAVER A.I Hackathon , 2018 2 nd place (Demon), Boot2Root CTF, 2018 2 nd place (Demon), WhiteHat League 1 , 2017 3 rd place (SeoulWesterns), Harekaze CTF , 2017 9 th place (3 rd price, A book as award), TF-KR MNIST Challenge , 2017 Kaggle Challenges LB Top 4%, Kaggle MNIST Challenge LB Top 5%, Kaggle Titanic Challenge LB Top 25%, Kaggle Invasive Species Monitoring LB Top 10%, Kaggle Plant Seedlings Classification CTFs & Conferences Conference Staff, POC , 2016 Staff, Challenge Maker, HackingCamp 15 , 2017 Staff, Challenge Maker, CodeGate OpenCTF , 2017 Staff, Challenge Maker, HackingCamp 16 , 2017 Challenge Maker, POX CTF , 2017 Challenge Maker, KID CTF , 2017 Staff, Belluminar CTF , 2017 Staff, Challenge Maker, HackingCamp 17 , 2018	
PUBLICATIONS	[2] <u>Kim</u> et al, CNN Architecture predicting Movie Rating. Jan. 2019. [1] <u>zer0day</u> , Windows Anti-Debugging Techniques (CodeEngn Archive) Sep. 2016.	
INDUSTRY EXPERIENCE	VoyagerX , Seoul, South Korea Machine Learning Engineer	Jan 2019 - Present

- Developing a robust ASR model for recognizing and diarizing the arbitrary speaker recorded from the noisy environment.
- Working as an intern.

ELCID, Pangyo, Korea Jun 2016 - Aug 2016

Penetration Test

- Tested a network firewall and anti-virus product.
- Worked as a part-time job.

OUT SOURCING

Korea University Course Information Web Parsing, ITL July 2017 – Mar 2018

RESEARCH EXPERIENCE

Heterogeneous Parallel Computing Lab, Cheonan, Korea Sep 2018 - Dec 2018

Undergraduate Research

- Wrote a paper about improved TextCNN model for predicting movie rate.

TALKS

NAVER NLP Workshop 2018, Pangyo, Korea Dec 2018

- SRL Task, challenging without any in-domain knowledge

PROJECTS

Generative

Awesome Generative Adversarial Networks (Stars 350+) July 2017 –

Implemented lots of Generative Adversarial Networks in tensorflow. Novelties of this project are trying to implement lots of GANs which some of them are not released or in tensorflow based on the paper with some tweaks.

Style Transfer

Neural Image Style Transfer Mar 2018

Implemented a neural image style transfer.

Segmentation

Awesome Segmentation (Stars 29+) Aug 2018

Implemented lots of image semantic segmentation and ordered the papers.

Optimizer

AdaBound Optimizer (Stars 29+) Jan 2019

Implemented AdaBound Optimizer (Luo et al. 2019) w/ some tweaks in tensorflow.

Super Resolution

Deep Residual Channel Attention Network (Stars 24+) Sep 2018

Implemented a RCAN model in tensorflow.

NLP	Improved TextCNN (Stars 4+)	Dec 2018
	Implemented an improved TextCNN model (Kim et al. 2019)	
	Text Tagging	Dec 2018
	Implemented a text category classifier in tensorflow	
Speech Synthesis	Tacotron	Jan 2019
	Implemented a google tacotron speech synthesis in tensorflow.	

REFERENCES