Hyeongchan Kim

http://kozistr.tech

EDUCATION

Korea University of Technology and Education (KOREATECH) Mar 2016 –

CHALLENGES & AWARDS

6th place, **NAVER NLP Challenge**, SRL Task, 2018
4th / 13th place, **NAVER A.I Hackathon**, 2018
2nd place (Demon), **Boot2Root** CTF, 2018
2nd place (Demon), **WhiteHat League 1**, 2017
3nd place (SeoulWesterns), **Harekaze CTF**, 2017
9th place (3rd 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] Kim et al, CNN Architecture predicting Movie Rating. Jan. 2019.
[1] zer0day, Windows Anti-Debugging Techniques (CodeEngn Archive) Sep. 2016.

INDUSTRY EXPERIENCE

VoyagerX, Seoul, South Korea Jan 2019 - Present
Machine Learning Engineer

- 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 260+)** 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 20+)** Aug 2018
Implemented lots of image semantic segmentation and ordered the papers.

Optimizer **AdaBound Optimizer (Stars 20+)** Jan 2019
Implemented AdaBound Optimizer (Luo et al. 2019) w/ some tweaks in tensorflow.

Super Resolution **Deep Residual Channel Attention Network (Stars 19+)** Sep 2018
Implemented a RCAN model in tensorflow.

NLP	**Improved TextCNN (Stars 3+)**	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