

Sichen Jin

Software Engineer - Machine Learning

Address Gunporo 84-9, Gunposi, Korea

Phone +82-10-5684-1199

E-mail galaxybob19@gmail.com

A passionate Software Engineer experienced in developing with machine learning frameworks. Fluent in Korean, Chinese and English, skilled in programming with Python, Java and C++. Well-organized, helpful and easy-going, always brighten the office atmosphere.



Skills

- Python programming with Tensorflow
- Linux development and shell scripting
- Familiar with Deep Learning models especially for sequential data
- Java and Android Development
- Multicultural(Chinese and Korean) and multilingual(Korean, Chinese and English)



Work History

Jan 2018 - **Software Engineer - Machine Learning**

Current *Samsung Research, Samsung Electronics, Seoul*

- Took part in building and training a state-of-the-art end-to-end Automatic Speech Recognition model composed of RNN encoder-decoders and an attention layer.
- Investigated traditional FST(Finite State Transducer) based and Transformer based Language Models for enhancing accuracy of general purpose and domain specific Speech Recognition system.
- Worked on model compression and tensorflow-lite conversion of End-to-End models for embedded Speech Recognition.
- Experienced in large dataset(several terabytes) training on multiple GPU using horovod.

Jan 2018 - **Watson Delivery Engineering Intern**

Jan 2018 *IBM Korea, Seoul*

- Conducted POC on automatic SNS chat-bot using Facebook webhook API, IBM Watson Chat-bot API and Flask server.
- Crawled cosmetic review comments from an online shopping website (with Python)

requests library and string operations) for sentiment analysis (IBM Watson sentiment analyzer API).

- Took part in training customized Chat-bot models (via API) for Watson Chat-bot API buyers.

Mar 2017 - Jun 2017 Software Engineering Intern

Jun 2017 *Infosys, India, Bangalore*

- Worked on getting answers to incident tickets based on the resolution reports of similar incident tickets from history database.
- Investigated a CNN based neural sentence classifier model.



Education

Sep 2013 - Jan 2018 Bachelor of Engineering: Computer Science Engineering

Jan 2018 *Seoul National University - Seoul*



Research Papers

Attention based on-device streaming speech recognition with large speech corpus

Kwangyoun Kim, Kyungmin Lee, Dhananjaya Gowda, Junmo Park, Sungsoo Kim, **Sichen Jin**

In: proceedings of ASRU, Singapore 2019