Mujeen Sung

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About me

I am a 3rd year PhD student at Korea University advised by Prof. Jaewoo Kang. My research areas of interest are in **natural language processing** and **deep learning**. Specifically, I enjoy thinking about **how to make AI better extract knowledge from large-scale corpus** (e.g., Wikipedia in general domain or PubMed in biomedical domain).

Education

Korea Univerity — Seoul
Ph.D. Student in Computer Science & Engineering — Mar.2019–Current

Korea Univerity — Seoul
B.S. in Computer & Communication Engineering — Mar.2008–Feb.2015

The State University of New York Korea — Incheon
Software Technology and Enterprise (Summer School) — June.2014–Aug.2014

Publications

[1] Jinhyuk Lee, **Mujeen Sung**, Jaewoo Kang, and Danqi Chen, "Learning dense representations of phrases at scale", in *ACL*, 2021.

[2] **Mujeen Sung**, Jinhyuk Lee, Sean Yi, Minji Jeon, Sungdong Kim, and Jaewoo Kang, "Can language models be biomedical knowledge bases", in *EMNLP*, 2021.

[3] Minbyul Jeong*, **Mujeen Sung***, Gangwoo Kim, Donghyeon Kim, Wonjin Yoon, Jaehyo Yoo, and Jaewoo Kang, "Transferability of natural language inference to biomedical question answering", in *CLEF 8th BioASQ workshop*, 2020.

[4] Jinhyuk Lee, Sean S. Yi, Minbyul Jeong, **Mujeen Sung**, Wonjin Yoon, Yonghwa Choi, Miyoung Ko, and Jaewoo Kang, "Answering questions on covid-19 in real-time", in *EMNLP NLP-COVID Workshop*, 2020.

[5] Jungsoo Park, **Mujeen Sung**, Jinhyuk Lee, and Jaewoo Kang, "Adversarial subword regularization for robust neural machine translation", in *Findings of EMNLP*, 2020.

[6] **Mujeen Sung**, Hwisang Jeon, Jinhyuk Lee, and Jaewoo Kang, "Biomedical entity representations with synonym marginalization", in *ACL*, 2020.

[7] Donghyeon Kim, Jinhyuk Lee, Chanho So, Hwisang Jeon, Minbyul Jeong, Yonghwa Choi, Wonjin Yoon, **Mujeen Sung**, and Jaewoo Kang, "A neural named entity recognition and multi-type normalization tool for biomedical text mining", *IEEE Access*, vol. 7, 2019.

Experience

LemonCloud — Seoul
Backend Developer — Mar 2018–Feb 2019

- Develop backend service with Node.js, Elastic Search and AWS

– LemonCloud is a start-up company that provides E-Commerce platforms

GE Ultrasound Korea Seongnam
Software Engineer Jan 2015–Feb 2018

– Design User Interfaces in Ultrasound Imaging Systems with Visual C++/MFC
– GE Ultrasound Korea is a Healthcare corporation that develops and manufactures ultrasound imaging systems to the global Healthcare market

Kona I Seoul
Software Team Intern Jan 2014–Aug 2014

– Create a validation tool for cryptography algorithms on Smart Card with Java
– Kona I is an IT corporation that provides total solutions and platforms to the global Fin-tech market

Teaching

- **Teaching Assistant** at Korea University Spring 2019
  Data Science (COSE471)

Scholarships and Awards

- OnDream Future Technology Scholarship (Hyundai Motor Chung Mong-Koo Foundation) Jun 2021
- 2020 KU Graduate School Achievement Award Jan 2021
- Winner of the Eighth BioASQ Challenge (Task 8b, Phase B) Sep 2020
- Software Technology and Enterprise Program Scholarships, Korea Mar 2013–Dec 2014

Service

Reviewing
ACL-IJCNLP (2021), NAACL (2021)

References

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