Sewon **Min**

PH.D. STUDENT, PAUL G. ALLEN SCHOOL OF COMPUTER SCIENCE & ENGINEERING

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Education

University of Washington   *Seattle, WA*
Ph.D. Student in Computer Science & Engineering   *Sep 2018 - Current*
• Advisers: Hannaneh Hajishirzi, Luke Zettlemoyer

Seoul National University   *Seoul, Korea*
B.S. in Computer Science & Engineering (Summa Cum Laude)   *Mar 2014 - Aug 2018*
• Thesis Adviser: Gunhee Kim
• GPA : 4.12/4.30 (total), 4.19/4.30 (major), 1st Rank in CSE

University of Washington   *Seattle, WA*
Exchange Student   *Sep - Dec 2016*

Gyeonggi Science High School   *Suwon, Korea*
Specialized high school for students talented in math and science   *Feb 2011 - Feb 2014*

Publications

[6] **Sewon Min**, Victor Zhong, Luke Zettlemoyer, Hannaneh Hajishirzi. "Multi-hop Reading Comprehension through Question Decomposition and Rescoring". In: *Proceedings of ACL (long)*. Florence, Italy. 2019.

[5] **Sewon Min***, Eric Wallace*, Sameer Singh, Matt Gardner, Hannaneh Hajishirzi, Luke Zettlemoyer. "Compositional Questions Do Not Necessitate Multi-hop Reasoning". In: *Proceedings of ACL (short)*. Florence, Italy. 2019.

[4] **Sewon Min**, Victor Zhong, Richard Socher, Caiming Xiong. "Efficient and Robust Question Answering from Minimal Context over Documents". In: *Proceedings of ACL (long)*. Melbourne, Australia. 2018.

[3] Minjoon Seo*, **Sewon Min***, Ali Farhadi, Hannaneh Hajishirzi. "Neural Speed Reading via Skim-RNN". In: *Proceedings of ICLR*. Vancouver, Canada. 2018.

[2] **Sewon Min**, Minjoon Seo, Hannaneh Hajishirzi. "Question Answering through Transfer Learning from Large Fine-grained Supervision Data". In: *Proceedings of ACL (short)*. Vancouver, Canada. 2017.

[1] Minjoon Seo, **Sewon Min**, Ali Farhadi, Hannaneh Hajishirzi. "Query-Reduction Networks for Question Answering". In: *Proceedings of ICLR*. Toulon, France. 2017.

Research Experience

Facebook AI Research (FAIR)   *Seattle, WA*
Research Intern (Advisers: Danqi Chen, Luke Zettlemoyer)   *Jun-Sep 2019*

Salesforce Research   *Palo Alto, CA*
Research Intern (Advisers: Caiming Xiong, Richard Socher)   *Nov 2017 - Feb 2018*
• Worked on efficient question answering with minimal context from given document. [4]

University of Washington   *Seattle, WA*
Research Intern (Advisers: Hannaneh Hajishirzi, Ali Farhadi)   *Oct 2016 - Feb 2017*
• Worked on Skim-RNN, which skims unimportant tokens when reading text. [3]
• Worked on transfer learning in question answering from large fine-grained data to coarse data. [2]
• Worked on QRN, effectively handling questions requiring reasoning over multiple facts. [1]
• Developed interative demonstrations of context-aware & open-domain QA.

Seoul National University   *Seoul, Korea*
Intern at Vision & Learning Lab (Adviser: Gunhee Kim)   *Jul - Aug 2016*
• Implemented & developed model for image caption generation.

Seoul National University   *Seoul, Korea*
Undergraduate Research Opportunity Program participant (Adviser: Sang-goo Lee)   *Feb - Jun 2016*
- Implemented & developed model for entity linking from SNS (Twitter) to Knowledge Base (Wikipedia).

Honors & Awards

DURING PhD

Doctoral Study Fellowship granted by Korea Foundation for Advanced Studies (KFAS)   *2018 - 2023*
Wissner-Slivka Endowed Graduate Fellowship granted by Paul G. Allen School   *2018 - 2019*

BEFORE PhD

Best Undergraduate Thesis Award granted by CSE, Seoul National University   *2018*
Full Scholarship for all semesters attended at Seoul National University (merit-based)   *2014 - 2018*
ICLR Travel Award   *2018*
Google Travel Grants   *2017, 2018*
Internship Abroad Support Fund granted by Seoul National University   *2017*
Samsung Convergence Software Course Mentor Scholarship   *2017*

Services

- Reviewer/Program Committee: NeurIPS (2018), ICLR (2019), AKBC (2019), NAACL (2019, secondary), ACL (2019), EMNLP (2019)
- Reviewer/Program Committee: Student Research Workshop (ACL 2019), Workshop on Machine Reading for Question Answering (EMNLP 2019)
- UW CSE Prospective Student Committee Chair (2019)

Invited Talks

Kakao Brain   *Aug 2018*
Samsung Advanced Institute of Technology   *Aug 2018*
Naver corp.   *Aug 2017*

Teaching Experience

Mentor at Samsung Convergence Software Course   *Mar - Jun 2017*
- Help students with courses in computer science and engineering

Personal Tutor   *Dec 2013 - Oct 2017*
- Teach mathematics, physics, programming (Java; Python; Javascript) and computer science (Data Structure; Algorithm) to middle school, high school and university students.

References

Hannaneh Hajishirzi, Ph.D.
- Assistant Professor, Paul G. Allen School of Computer Science & Engineering, University of Washington

Luke Zettlemoyer, Ph.D.
- Associate Professor, Paul G. Allen School of Computer Science & Engineering, University of Washington
- Research Scientist, Facebook

Gunhee Kim, Ph.D.
- Associate Professor, Department of Computer Science & Engineering, Seoul National University