

Sewon Min

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

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Education

University of Washington

Ph.D. Student in Computer Science & Engineering

- Advisers: Hannaneh Hajishirzi, Luke Zettlemoyer

Seattle, WA

Sep 2018 - Current

Seoul National University

B.S. in Computer Science & Engineering (Summa Cum Laude)

- Thesis Adviser: Gunhee Kim
- GPA : 4.12/4.30 (total), 4.19/4.30 (major), 1st Rank in CSE

Seoul, Korea

Mar 2014 - Aug 2018

University of Washington

Exchange Student

Seattle, WA

Sep - Dec 2016

Gyeonggi Science High School

Specialized high school for students talented in math and science

Suwon, Korea

Feb 2011 - Feb 2014

Publications

- [7] **Sewon Min**, Danqi Chen, Hannaneh Hajishirzi, Luke Zettlemoyer. "A Discrete Hard EM Approach for Weakly Supervised Question Answering". In: *Proceedings of EMNLP (long)*. Hong Kong. 2019.
- [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

Salesforce Research

Research Intern (Advisers: Caiming Xiong, Richard Socher)

- Worked on efficient question answering with minimal context from given document. [4]

Palo Alto, CA

Nov 2017 - Feb 2018

University of Washington

Research Intern (Advisers: Hannaneh Hajishirzi, Ali Farhadi)

- 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 interactive demonstrations of context-aware & open-domain QA.

Seattle, WA

Oct 2016 - Feb 2017

Seoul National University

Intern at Vision & Learning Lab (Adviser: Gunhee Kim)

- Implemented & developed model for image caption generation.

Seoul, Korea

Jul - Aug 2016

Seoul National University

Undergraduate Research Opportunity Program participant (Adviser: Sang-goo Lee)

Seoul, Korea

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, ICLR 2020
- 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
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- Help students with courses in computer science and engineering

Personal Tutor	Dec 2013 - Oct 2017
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- 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