

# Sewon Min

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

Box 352350, 185 NE Stevens Way, University of Washington, Seattle, WA, 98195

✉ sewon@cs.washington.edu | 🏠 <https://shmsw25.github.io> | 📧 shmsw25 | 🐦 @sewon\_min | 📱 shmsw25

## 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

- [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**<sup>\*</sup>, Eric Wallace<sup>\*</sup>, 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<sup>\*</sup>, **Sewon Min**<sup>\*</sup>, 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 iterative 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)

- Implemented & developed model for entity linking from SNS (Twitter) to Knowledge Base (Wikipedia).

Seoul, Korea

Feb - Jun 2016

## Honors & Awards

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### 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

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- 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

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

## Teaching Experience

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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

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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