Sewon Min

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Education

09/2018–Current	Ph.D. student, Computer Science & Engineering, University of Washington Supervisors: Hannaneh Hajishirzi, Luke Zettlemoyer
03/2020	M.Sc., Computer Science & Engineering, University of Washington
03/2014–08/2018	B.Sc., Computer Science & Engineering, Seoul National University Summa Cum Laude, Rank: 1st in the department
02/2011–02/2014	Gyeonggi Science High School

Employment

09/2018–Current	Research Assistant, University of Washington Supervisors: Hannaneh Hajishirzi, Luke Zettlemoyer
04/2021–Current, 10/2019–08/2020	Visiting researcher, Meta AI (Facebook AI Research) Host: Luke Zettlemoyer
09/2020–03/2021	Research Intern/Student researcher, Google AI Research Hosts: Kenton Lee, Kristina Toutanova / Collaborator: Ming-Wei Chang
11/2017–02/2018	Research Intern, Salesforce Research (Metamind) Host: Caiming Xiong
10/2016–02/2017	Undergraduate Research Assistant, University of Washington Supervisor: Hannaneh Hajishirzi
07/2016–08/2016	Undergraduate Intern, Vision & Learning Lab, Seoul National University Supervisor: Gunhee Kim

Publications

GScholar https://scholar.google.ca/citations?user=jU4IZs4AAAAJ&hl=en
Semantic Scholar https://www.semanticscholar.org/author/Sewon-Min/48872685

* denotes equal contributions

Peer-Reviewed Conference Papers

[C20] Daniel Khashabi, Xinxi Lyu, **Sewon Min**, Lianhui Qin, Kyle Richardson, Sameer Singh, Sean Welleck, Hannaneh Hajishirzi, Tushar Khot, Ashish Sabharwal, Yejin Choi. "Prompt Waywardness: The Curious Case of Discretized Interpretation of Continuous Prompts." In: *Proceedings of NAACL-HLT (long)*. 2022. [pdf]

[C19] **Sewon Min**, Mike Lewis, Luke Zettlemoyer, Hannaneh Hajishirzi. "MetaICL: Learning to Learn In Context." In: *Proceedings of NAACL-HLT (long)*. 2022. [pdf]

[C18] Iz Beltagy, Arman Cohan, Robert L. Logan IV, **Sewon Min**, Sameer Singh. "Zero- and Few-Shot NLP with Pretrained Language Models." *ACL-HLT (Tutorial)*. 2022. [pdf]

[C17] **Sewon Min**, Mike Lewis, Hannaneh Hajishirzi, Luke Zettlemoyer. "Noisy Channel Language Model Prompting for Few-Shot Text Classification." In: *Proceedings of ACL (long)*. 2022. [pdf]

[C16] Jungsoo Park*, **Sewon Min***, Jaewoo Kang, Luke Zettlemoyer, Hannaneh Hajishirzi. "FAVIQ: FAct Verification from Information-seeking Questions." In: *Proceedings of ACL (long)*. 2022. [pdf]

[C15] **Sewon Min**, Kenton Lee, Ming-Wei Chang, Kristina Toutanova, Hannaneh Hajishirzi. "Joint Passage Ranking for Diverse Multi-Answer Retrieval." In: *Proceedings of EMNLP (long)*. 2021. [pdf]

[C14] **Sewon Min**, Jordan Boyd-Graber, Chris Alberti, Danqi Chen, Eunsol Choi, Michael Collins, Kelvin Guu, Hannaneh Hajishirzi, Kenton Lee, Jennimaria Palomaki, Colin Raffel, Adam Roberts, Tom Kwiatkowski (with EfficientQA participants). "NeurIPS 2020 EfficientQA Competition: Systems, Analyses and Lessons Learned." In: *Proceedings of Maching Learning Research (PMLR)*. 2021. [pdf]

[C13] Iz Beltagy, Arman Cohan, Hannaneh Hajishirzi, **Sewon Min**, Matthew E. Peters. "Beyond Paragraphs: NLP for Long Sequences." *NAACL-HLT (Tutorial)*. 2021. [pdf]

[C12] Srinivasan Iyer, **Sewon Min**, Yashar Mehdad, Wen-tau Yih. "ReConsider: Re-Ranking using Span-Focused Cross-Attention for Open Domain Question Answering." In: *Proceedings of NAACL-HLT (short)*. 2021. [pdf]

[C11] Belinda Z. Li, **Sewon Min**, Srinivasan Iyer, Yashar Mehdad and Wen-tau Yih. "Efficient One-Pass End-to-End Entity Linking for Questions." In: *Proceedings of EMNLP (short)*. 2020. [pdf]

[C10] **Sewon Min**, Julian Michael, Hannaneh Hajishirzi, Luke Zettlemoyer. "AmbigQA: Answering Ambiguous Open-domain Questions." In: *Proceedings of EMNLP (long)*. 2020. [pdf]

[C9] Vladimir Karpukhin*, Barlas Oguz*, **Sewon Min**, Patrick Lewis, Ledell Wu, Sergey Edunov, Danqi Chen, Wen-tau Yih. "Dense Passage Retrieval for Open-domain Question Answering." In: *Proceedings of EMNLP (long)*. 2020. [pdf]

[C8] Daniel Khashabi, **Sewon Min**, Tushar Khot, Ashish Sabharwal, Oyvind Tafjord, Peter Clark and Hannaneh Hajishirzi. "UnifiedQA: Crossing Format Boundaries With a Single QA System." In: *Proceedings of Findings of EMNLP (long)*. 2020. [pdf]

[C7] **Sewon Min**, Danqi Chen, Hannaneh Hajishirzi, Luke Zettlemoyer. "A Discrete Hard EM Approach for Weakly Supervised Question Answering." In: *Proceedings of EMNLP (long)*. 2019. [pdf]

[C6] **Sewon Min**, Victor Zhong, Luke Zettlemoyer, Hannaneh Hajishirzi. "Multi-hop Reading Comprehension through Question Decomposition and Rescoring." In: *Proceedings of ACL (long)*. 2019. [pdf]

[C5] **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)*. 2019. [pdf]

[C4] **Sewon Min**, Victor Zhong, Richard Socher, Caiming Xiong. "Efficient and Robust Question Answering from Minimal Context over Documents." In: *Proceedings of ACL (long)*. 2018. [pdf]

[C3] Minjoon Seo*, **Sewon Min***, Ali Farhadi, Hannaneh Hajishirzi. "Neural Speed Reading via Skim-RNN." In: *Proceedings of ICLR*. 2018. [pdf]

[C2] **Sewon Min**, Minjoon Seo, Hannaneh Hajishirzi. "Question Answering through Transfer Learning from Large Fine-grained Supervision Data." In: *Proceedings of ACL (short)*. 2017. [pdf]

[C1] Minjoon Seo, **Sewon Min**, Ali Farhadi, Hannaneh Hajishirzi. "Query-Reduction Networks for Question Answering." In: *Proceedings of ICLR*. 2017. [pdf]

Peer-Reviewed Workshop Papers

[W1] Matt Gardner, Jonathan Berant, Hannaneh Hajishirzi, Alon Talmor, **Sewon Min**. "On Making Reading Comprehension More Comprehensive." In: *Proceedings of Workshop on Machine Reading for Question Answering (MRQA) @ EMNLP*. 2019. [pdf]

Preprints

[P3] **Sewon Min**, Xinxi Lyu, Ari Holtzman, Mikel Artetxe, Mike Lewis, Hannaneh Hajishirzi, Luke Zettlemoyer. "Rethinking the Role of Demonstrations: What makes In-context Learning Work?" *arXiv preprint*. 2022. [pdf]

[P2] **Sewon Min**, Danqi Chen, Luke Zettlemoyer, Hannaneh Hajishirzi. "Knowledge Guided Text Retrieval and Reading for Open Domain Question Answering." *arXiv preprint*. 2019. [pdf]

[P1] Matt Gardner, Jonathan Berant, Hannaneh Hajishirzi, Alon Talmor, **Sewon Min**. "Question Answering is a Format; When is it Useful?." *arXiv preprint*. 2019. [pdf]

Professional Services

Workshop Co-organizer

ACL 2022	The 7th Workshop on Representation Learning for NLP (Repl4NLP) [website]
ACL 2022	Semiparametric Methods in NLP: Decoupling Logic from Knowledge [website]
EMNLP 2021	The 3rd Workshop on Machine Reading for Question Answering (MRQA) [website]
AKBC 2021	The 2nd Workshop on Unstructured and Structured KBs (USKB) [website]
NeurIPS 2020	Competition on Efficient Open-Domain Question Answering (EfficientQA) [website]
AKBC 2020	Workshop on Unstructured and Structured KBs (USKB) [website]

Reviewer/Program Committee

[†] *denotes outstanding reviewer*

*CL/NLP conferences:
- ACL: 2019, 2020, 2021[†]
- EMNLP: 2019[†], 2020, 2021[†]
- AKBC: 2019, 2020, 2021
- AACL: 2020
- NAACL: 2021
- ACL Rolling Review: 2021–

ML/AI conferences/journals:
- NeurIPS: 2018, 2020, 2021
- ICLR: 2019, 2020, 2021, 2022
- AAAI: 2020, 2021
- ICML: 2021
- TMLR: 2022

Workshops:
- Student Research Workshop: ACL 2019, ACL 2020, AACL 2020, EACL 2021, NAACL 2021, ACL 2021
- The 2nd Workshop on Machine Reading for Question Answering: EMNLP 2019
- The 1st Workshop on NLP for Positive Impact: ACL 2021, *CL 2022

Competition Track, NeurIPS 2021

Departmental Service

2021, 2022	UW CSE: Admission Committee Member for the Ph.D. Program
2021	UW NLP: Student co-organizer of the Invited Talk Series
2021	UW NLP: Student co-organizer of the NLP Retreat
2019	UW CSE: Prospective Student Committee Co-Chair for the Ph.D. Program

Honors and Awards

2022–2023	JP Morgan Ph.D. Fellowship
2018–2023	Doctoral Study Fellowship granted by Korea Foundation for Advanced Studies (KFAS)
2018–2019	Wissner-Slivka Endowed Graduate Fellowship granted by Paul G. Allen School
2018	Best Undergraduate Thesis Award granted by CSE, Seoul National University
2014–2018	Full Scholarship for all semesters attended at Seoul National University (merit-based)
2018	ICLR Travel Award
2017, 2018	Google Travel Grants
2017	Internship Abroad Support Fund granted by Seoul National University
2017	Samsung Convergence Software Course Mentor Scholarship

Invited Talks

(All talks are in English)

06/2022	MLOPT Research Group, University of Wisconsin–Madison Host: Kangwook Lee
04/2022	Language & Intelligence Lab, MIT Host: Jacob Andreas
12/2021	AIRS, Hyundai Host: Cheoneum Park
10/2021	Facebook AI Host: Zornitsa Kozareva
08/2021	AI Summer School, Seoul National University Host: Hyun Oh Song
08/2021	Summer AI Seminar Series, Postech Host: Gary Geunbae Lee
04/2021	Colloquium Talk, Graduate School of AI at KAIST Host: Juho Lee
02/2021	School of Electronic Engineering at KAIST Host: Sung-Ju Lee
09/2020	Apple (Web Answers team) Hosts: Chris DuBois and Shayne Longpre
08/2020	Facebook NLP Summit, Question Answering Workshop Host: Yashar Mehdad
08/2018	Kakao Brain Host: Benjamin Lee

08/2018   Samsung Advanced Institute of Technology
           Host: Jehun Jeon

08/2017   NAVER
           Host: Sung Kim

Teaching

Tutorial Co-instructor

ACL 2022   Few-Shot NLP with Pretrained Language Models
                  with Iz Beltagy, Arman Cohan, Sameer Singh and Robert Logan

NAACL-HLT 2021   Beyond Paragraphs: NLP for Long Sequences
                  with Iz Beltagy, Arman Cohan, Hannaneh Hajishirzi and Matthew E. Peters

Teaching Assistant

Spring 2022   CSE 573 Artificial Intelligence, University of Washington
                  Instructor: Hannaneh Hajishirzi
                  In addition to typical TA role, gave guest lectures and made assignments

Winter 2021   CSE 447+517 Natural Language Processing, University of Washington
                  Instructor: Noah Smith
                  In addition to typical TA role, oversaw the 517 Reproducibility Project and
                  guided submissions to the ML Reproducibility Challenge

Student Mentoring

12/2021–Current   Xinyan (Velocity) Yu, BS→MS student at UW

09/2021–Current   Xinxi (Shane) Lyu, BS→MS student at UW

06/2021–12/2021   Skyler Hallinan, BS→MS student at UW

01/2021–07/2021   Jungsoo Park, MS student at Korea University; now at NAVER

02/2020–08/2020   Belinda Li, software engineer at Facebook; now a PhD student at MIT