

Computer Science & Engineering
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Education

University of Washington Sep 2013 –
Ph.D. in Computer Science
Advisers: Hannaneh Hajishirzi, Ali Farhadi, Oren Etzioni

University of Washington Sep 2013 – Dec 2015
M.S. in Computer Science

University of California, Berkeley Aug 2008 – May 2012
B.S. in Electrical Engineering & Computer Science
Cumulative GPA: 3.94/4.0

Publications

- [10] Aniruddha Kembhavi, Minjoon Seo, Dustin Schwenk, Jonghyun Choi, Hannaneh Hajishirzi, and Ali Farhadi. “Are you smarter than a sixth grader? Textbook question answering for multimodal machine comprehension”. In: *CVPR*. 2017.
- [9] Omer Levy, Minjoon Seo, Eunsol Choi, and Luke Zettlemoyer. “Zero-shot relation extraction via reading comprehension”. In: *CoNLL*. 2017.
- [8] Sewon Min, Minjoon Seo, and Hannaneh Hajishirzi. “Question answering through transfer learning from fine-grained supervision data”. In: *ACL*. 2017.
- [7] Minjoon Seo, Aniruddha Kembhavi, Ali Farhadi, and Hannaneh Hajishirzi. “Bidirectional attention flow for machine comprehension”. In: *ICLR*. 2017.
- [6] Minjoon Seo, Sewon Min, Ali Farhadi, and Hannaneh Hajishirzi. “Query-reduction networks for question answering”. In: *ICLR*. 2017.
- [5] Aniruddha Kembhavi, Mike Salvato, Eric Kolve, Minjoon Seo, Hannaneh Hajishirzi, and Ali Farhadi. “A diagram is worth a dozen images”. In: *ECCV*. 2016.
- [4] Minjoon Seo, Hannaneh Hajishirzi, Ali Farhadi, Oren Etzioni, and Clint Malcolm. “Solving geometry problems: combining text and diagram interpretation”. In: *EMNLP*. 2015.
- [3] Lilian de Greef, Mayank Goel, Minjoon Seo, Eric C Larson, James W Stout, James A Taylor, and Shwetak N Patel. “Bilicam: using mobile phones to monitor newborn jaundice”. In: *UbiComp*. 2014.
- [2] Minjoon Seo, Hannaneh Hajishirzi, Ali Farhadi, and Oren Etzioni. “Diagram understanding in geometry questions”. In: *AAAI*. 2014.
- [1] David Moore, Kevin Mayeda, Steve Myers, Minjoon Seo, and Stuart Russell. “Progress in signal-based bayesian monitoring”. In: *The 2012 monitoring research review: ground-based nuclear explosion monitoring technologies*. 2012.

Employment

Google @ New York City, United States Jun – Sep 2017
Research Intern (mentor: Tom Kwiatkowski)

Allen Institute for Artificial Intelligence

Jun – Sep 2016

Research Intern (advisers: Ani Kembhavi, Ali Farhadi)

Devised a deep learning model for machine comprehension task that uses bi-attention flow to effectively link and fuse information from both context paragraph and question [7]. It achieved the state-of-the-art results on Stanford Question Answering Dataset (SQuAD) test data, as of 6 Dec 2016. Details in allenai.github.io/bi-att-flow.

Allen Institute for Artificial Intelligence

Mar – Jun 2015, Jun – Sep 2014

Research Intern (advisers: Ali Farhadi, Oren Etzioni)

Participated in Project Euclid and devised an end-to-end system that solves geometry problems in college entrance exam (SAT) with SAT score of 49% [4]. Also worked on the project as a research assistant in University of Washington. Details in geometry.allenai.org.

Oracle @ Santa Clara, United States

Aug 2012 – May 2013

Software Engineer

Developed tools for verifying the operating system of Oracle’s switches.

Symantec @ Mountain View, United States

May – Aug 2011

Software Engineering Intern

Developed tools for debugging Semantic Enterprise Protection.

Honors and Awards

- Travel Award, ICLR 2017
- Best Paper Nomination [3], UbiComp 2014
- Graduated with Highest Honors (Summa cum Laude), UC Berkeley, 2012

Invited Talks

- Kakao Brain, Seoul National University, Qualcomm, Samsung, Naver Labs @ Korea (May – Jun 2017)
- Rework Machine Intelligence Summit @ San Francisco, United States (23 Mar 2017)
- University of Washington / Microsoft Research NLP Symposium @ Seattle, United States (2 Dec 2016)
- SK T-Brain, Samsung AI Lab @ Korea (Sep 2016)

Services

- Program Committee: EMNLP (2017), ACL (2017, 2016), NIPS (2016), NAACL-HLT SRW (2016)
- Secondary Reviewer: EMNLP (2016), ECCV (2016), AACL (2014, 2015, 2016)
- Teaching Assistant: Graduate Natural Language Processing (Wi 2017)
- UW CSE Ph.D. Admission Committee (2017)

Graduate Coursework

Natural Language Processing; Advanced Natural Language Processing; Machine Learning; Probabilistic Graphical Models; Artificial Intelligence; Computer Vision; Applied Algorithms; Approximation Algorithms; Computer-aided Reasoning (Programming Language); Database Management System

References

Available upon request.