Ananya Ganesh

ananyaganesh.github.io

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Education

- **University of Colorado, Boulder** — Boulder, CO
  PhD Student, Computer Science — *Aug 2020 – Present*
  Advised by: Prof. Katharina Kann and Prof. Martha Palmer
- **University of Massachusetts, Amherst** — Amherst, MA
  Master of Science in Computer Science — *Aug 2017 – May 2019*
- **Anna University** — Chennai, India
  Bachelor of Engineering in Computer Science — *Aug 2013 – Jun 2017*

Experience

- **Educational Testing Service** — Princeton, NJ
  Asst. Research Engineer, NLP & Speech Group — *Aug 2019 - Aug 2020*
  Supported research in natural language processing for educational technology by collaborating with research scientists. Investigated problems including interpretability of neural models for short answer scoring, and extraction of coherent passages from text for assessment development.
- **Information Extraction and Synthesis Laboratory** — UMass Amherst
  Research Intern, Natural Language Processing — *May 2018 - May 2019*
  Developed novel role representations for the task of semantic role labeling (SRL) using multi-task learning. Performed error analysis on a state-of-the-art SRL system and identified areas for improvement.
- **Lexalytics** — Amherst, MA
  Independent study — *Jan 2018 - Apr 2018*
  Developed an efficient new method to perform word sense induction using graph-based clustering. Achieved state-of-the-art results across three evaluation benchmarks, and published results at the TextGraphs-2018 workshop at NAACL.
- **Nara Institute of Science and Technology** — Nara, Japan
  Research Intern, Natural Language Processing — *Jun 2016 - July 2016*
  Constructed a dictionary of flexible multi-word expressions (MWEs) in English for use in automatic annotation. Implemented a rule-based model to detect variability in MWEs using the LDC Gigaword corpus.

Publications

- Emma Strubell, **Ananya Ganesh**, Andrew McCallum. Energy and Policy Considerations for Deep Learning in NLP. *ACL, 2019*
- Haw-Shiuan Chang, Amol Agarwal, **Ananya Ganesh**, Anirudha Desai, Vinayak Mathur, Alfred Hough, and Andrew McCallum. Efficient graph-based word sense induction by distributional inclusion vector embeddings. *TextGraphs 2018 at NAACL-HLT*

Service & Outreach

- Captioning co-chair, ACL 2020 Virtual Conference
- Graduate co-chair, UMass Amherst CS Women's Group (2018)
- Reviewer, BEA 2020, EMNLP 2020, WWW 2019

Awards & Honors

- CU Boulder Summer 2021 Research Fellowship ($6000)
- JASSO Scholarship for study in Japan 2016 (JPY 80,000 = $800)