Anthony Chen

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Research Interests

Natural Language Generation, Generation is a fundamental task encompassing summarization, translation, and question answering. My efforts have been focused on developing *learned* metrics for evaluation and understanding why generation models hallucinate.

Open Domain Language Reasoning, Given the scale of textual data, retrieval is required for efficient reasoning. I am interested in understanding the limitations of retrieval systems and how retrieval systems interact with reasoning systems.

Education

2018-Now **PhD in Computer Science**, *University of California, Irvine*,
Advised by Sameer Singh.

2016-2018 **M.S. in Computer Science**, *University of California, Irvine*.

2012-2016 **B.S. in Computer Science**, *University of California, Davis*.

Industry Experience

Summer 2021 **Research Intern**, Verneek, *New York, New York*.

Summer 2020 **Research Intern**, Apple, *Cupertino, California*.

- Worked on the Siri query understanding team, developing an evaluation set to assess the robustness of the entity linking system on tail entities.

Summer 2018 **Data Scientist Intern**, Ancestry, *San Francisco, California*.

Summer 2017 **Data Scientist Intern**, Allstate, *Menlo Park, California*.

2014 **Software Engineer and DevOps Intern**, Intel, *Folsom, California*.

Publications

2021 **Entity-Based Knowledge Conflicts in Question Answering**,
Shayne Longpre, Kartik Perisetla, *Anthony Chen*, Nikhil Ramesh, Chris DuBois, and Sameer Singh.
Empirical Methods in Natural Language Processing (EMNLP)

2021 **Evaluating Entity Disambiguation & the Role of Popularity in Retrieval-Based NLP**,
Anthony Chen, Pallavi Gudipati, Shayne Longpre, Xiao Ling, and Sameer Singh.
Association for Computational Linguistics and the International Joint Conference on Natural Language Processing (ACL-IJCNLP)

2020 **MOCHA: A Dataset for Training & Evaluating Generative Reading Comprehension Metrics**,
Anthony Chen, Gabriel Stanovsky, Sameer Singh, and Matt Gardner.
Empirical Methods in Natural Language Processing (EMNLP)

2019 **Evaluating Question Answering Evaluation**,
Anthony Chen, Gabriel Stanovsky, Sameer Singh, and Matt Gardner.
Machine Reading for Question Answering (MRQA) Workshop @ EMNLP **Best Paper**

Services

- Student Volunteer: Site development for AKBC 2021
- Reviewer: EMNLP (2018, 2021)

References

- **Sameer Singh**: Associate Professor of Computer Science at UC Irvine
- **Matt Gardner**: Research Scientist at Microsoft Semantic Machines
- **Xiao Ling**: Research Scientist at Apple
- **Nasrin Mostafazadeh**: Co-founder at Verneek