

Anthony Chen

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Research Interests

Natural Language Generation, Generation is a fundamental task encompassing summarization, translation, and question answering, however, evaluating generated text is challenging. My efforts have been focused on developing *learned* metrics for evaluation.

Generalization, I'm interested in classifiers that generalize beyond their training distribution and are less reliant on spurious biases. To this end, I've been working on *generative* classifiers.

Education

2018-Present **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*.

Publications

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 Workshop @ EMNLP **Best Paper**

Industry Experience

Summer 2020 **Machine Learning Research Intern**, *Apple*, Cupertino, CA,
Worked with Xiao Ling, Shayne Longpre, and Pallavi Gudipati.
◦ 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, CA.
◦ Developed feature extraction pipelines in Java and ranking models in Python for historical records recommendation in family trees, leading to a significant gain in ranking performance.

Summer 2017 **Data Scientist Intern**, *Allstate*, Menlo Park, CA.
◦ Developed feature extractors and machine learning models on billion row datasets towards predicting customer defection, leveraging PyTorch, XGboost, Hadoop, and Spark.

2014 **Software Engineering and DevOps Intern**, *Intel*, Folsom, CA.

Skills

ML Frameworks PyTorch, AllenNLP

Languages Python, Java, C/C++

Storage Frameworks Hadoop, SQL