Anthony Chen

✉ anthony.chen@uci.edu
anthonywchen.github.io

Education

2018-2022 **Ph.D. in Computer Science**, *University of California, Irvine*.

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

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

Research Experience

2017 - Present **Graduate Research Assistant**, *University of California, Irvine*,
Advisor: Sameer Singh.

2015-2016 **Undergraduate Research Assistant**, *University of California, Davis*,
Advisor: Ian Davidson.

- Worked on applying spectral cut and graph methods as a way to distinguish between fMRI scans of patients in different populations (e.g. patients with and without PTSD).

Publications

2019 **Evaluating Question Answering Evaluation**,
Anthony Chen, Gabriel Stanovsky, Sameer Singh, and Matt Gardner,
MRQA Workshop @ EMNLP.
Best Paper Award

Professional Experience

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

- Developed feature extraction pipelines in Java and ranking models in Python for the purpose of 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.
- Worked with multi-modal data, including numerical, categorial, and unstructured textual data. Technologies leveraged include PyTorch, Xgboost, Hadoop, and Spark.
- Provided actionable steps in which customer retention could be improved.

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

Projects

2017 **Improving Sequence to Sequence Video Captioning**,
Approaches to automatic video captioning are limited by the size of the datasets available. We attempted to circumvent this by leveraging captioned images to bolster the training set as well as fusing a language model into the decoder for more syntactically correct captions. Our results showed that using a language model provides a drastic improvement of the generated video captions.

2017 **Speech Modeling for Parkinson's Detection**.

2015 **Feature Learning of fMRI Data via Deep Autoencoders**.

Skills

ML Frameworks PyTorch, AllenNLP, Caffe

Storage Frameworks SQL, Hadoop

Languages Python, Java, C/C++