ZHAOMIN XIAO

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EDUCATION

University of North Texas   *Sep 2019 - Present*
Ph.D. in Computer Science and Engineering
Overall GPA: 4.0

University of Pittsburgh   *May 2019*
M.S. in Information Science
Overall GPA: 3.6

Shenzhen University   *July 2017*
B.S. in Mathematics & Applied Mathematics
Overall GPA: 3.2

RESEARCH EXPERIENCE

Spatial-temporal Information Determination   Aug 2019 - Present
University of North Texas   *Denton, TX*

· Create a new task of determining whether the author of the tweet was located in the mentioned location.
· Build a new corpus consisting of 6,540 tweets. The annotation quality is guaranteed by ensuring the Krippendorf's alpha is over 0.60.
· Construct a multi-modal neural model to combine the textual features and image features. The experimental results show that the multi-modal model performs better than the single-modal model using only text or only images.
· Error analysis shows that advanced tools for location identification and advertisement filter should be included in future research to improve the accuracy of spatial-temporal information inferring.

Temporal Ordering of Locations   Oct 2019 - Present
University of North Texas   *Denton, TX*

· Determine whether the author of the travelogue is located in the mentioned location or not.
· Order the visited location in every document of the travelogue.
· Error analysis shows that contextual information is essential to order the visited locations.

Native Language Identification   Aug 2018 - Dec 2018
University of Pittsburgh   *Pittsburgh, PA*

· Extract lots of linguistic features, such as part-of-speech tags, stop words, and punctuation marks, from the TOEFL essays written by English Learners whose native language is one of eleven languages.
· Tune the parameters using GridSearch with 5-fold cross-validation.
· Visualize the confusion matrix of 11 categories.

TECHNICAL SKILLS

Computer Languages	Python, Java, C, HTML, CSS, JavaScript
Tools	PyTorch, scikit-learn, TensorFlow