

## Allen Nie

Ph.D. Student in Computer Science, admitted Autumn 2019

### Publications

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#### PUBLICATIONS

- **Reinforcement learning tutor better supported lower performers in a math task** *MACHINE LEARNING*  
Ruan, S., Nie, A., Steenbergen, W., He, J., Zhang, J. Q., Guo, M., Liu, Y., Nguyen, K., Wang, C. Y., Ying, R., Landay, J. A., Brunskill, E.  
2024
- **Estimating the Causal Treatment Effect of Unproductive Persistence**  
Leon, A., Nie, A., Chandak, Y., Brunskill, E., *Assoc Computing Machinery*  
ASSOC COMPUTING MACHINERY.2024: 843-849
- **A Fast and Accurate Machine Learning Autograder for the Breakout Assignment**  
Liu, E., Yuan, D., Ahmed, A., Cornwall, E., Woodrow, J., Burns, K., Nie, A., Brunskill, E., Piech, C., *Assoc Computing Machinery*  
ASSOC COMPUTING MACHINERY.2024: 736-742
- **LitGen: Genetic Literature Recommendation Guided by Human Explanations.** *Pacific Symposium on Biocomputing. Pacific Symposium on Biocomputing*  
Nie, A. n., Pineda, A. L., Wright, M. W., Wand, H. n., Wulf, B. n., Costa, H. A., Patel, R. Y., Bustamante, C. D., Zou, J. n.  
2020; 25: 67–78
- **Inducing Grammar from Long Short-Term Memory Networks by Shapley Decomposition**  
Zhang, Y., Nie, A., *Assoc Computat Linguist*  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2020: 299–305
- **VetTag: improving automated veterinary diagnosis coding via large-scale language modeling.** *NPJ digital medicine*  
Zhang, Y., Nie, A., Zehnder, A., Page, R. L., Zou, J.  
2019; 2: 35
- **DisSent: Learning Sentence Representations from Explicit Discourse Relations**  
Nie, A., Bennett, E. D., Goodman, N. D., ACL, Korhonen, A., Traum, D., Marquez, L.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2019: 4497–4510
- **Learning to Explain: Answering Why-Questions via Rephrasing**  
Nie, A., Bennett, E. D., Goodman, N. D., *Assoc Computat Linguist*  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2019: 113–20
- **DeepTag: inferring diagnoses from veterinary clinical notes.** *NPJ digital medicine*  
Nie, A., Zehnder, A., Page, R. L., Zhang, Y., Pineda, A. L., Rivas, M. A., Bustamante, C. D., Zou, J.  
2018; 1: 60