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Ping Liu

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Education

Illinois Institute of Technology **Fall 2016 - 2021 (EXPECTED)**
- Ph.D. candidate in Computer Science GPA:3.93

Illinois Institute of Technology *2014 - 2016*
- M.S. in Computer Science

Nankai University, China *2004 - 2008*
- B.S. in Computer Science

Employment

Machine Learning Engineer Intern ***LinkedIn**, 2020.5 - 2020.8*
- Built and designed search ranking algorithms using deep learning to increase CTR in promoted job ads.

Machine Learning Engineer Intern ***LinkedIn**, 2019.5 - 2019.8*
- Designed, implemented, and compared different neural generative approaches to rewriting sentences given the profile information.

Data Scientist Intern ***Conversant**, 2018.5 - 2018.8*
- Proactively proposed and built a sequential neural network to generate headline, sub-headline, and CTA given semantic conditions.

Research Publications

- **Liu, P.**, Shivaram, K., Culotta, A., Shapiro, M., Bilgic, M. (2020). The Interaction between Political Typology and Filter Bubbles inNews Recommendation Algorithms. *(Submitted)*
- **Liu, P.**, Bilgic, M. (2020). Relational Classification of Biological Cells in Microscopy Images. *(Submitted)*
- Patel, P., Drayman, N., **Liu, P.**, Bilgic, M., Tay, S. (2020). Deep learning reveals hidden variables underlying NF-κB activation in single cells. *In revision*
- **Liu, P.**, Li, W., Zou, L. (2019). NULI at SemEval-2019 Task 6: Transfer Learning for Offensive Language Detection using Bidirectional Transformers. In *Proceedings of the 13th International Workshop on Semantic Evaluation (**SemEval-Oral Paper**).* Minneapolis, MN, USA
- Yan, J., Jin, D., Lee, C. **Liu, P.** (2018). A Comparative Study of Off-Line Deep Learning Based Network Intrusion Detection. In *the 10th International Conference on Ubiquitous and Future Networks (**ICUFN**).* Prague, Czech Republic.
- **Liu, P.**, Guberman, J., Hemphill, L., & Culotta, A. (2018). Forecasting the presence and intensity of hostility on Instagram using linguistic and social features. In *Proceedings of the 12th International Conference on Web and Social Media (**ICWSM**).* Stanford, CA, USA.

Languages and Technologies

- Python, Scala, Spark, Java, C++, Matlab
- sklearn, Pytorch, TensorFlow, keras, gensim, Theano, OpenCV

Course Projects

- **Napster-Style and Gnutella-Style P2P File Sharing System**
  Advanced Operation System - Fall 2017
- **Simulation of M/M/2/2+5 Queue System**
  Anlytc Mdls Simul Comp Syst - Fall 2015
- **Automatic Road Feature Extraction from LIDAR Data**
  Geospatial Vision/Visualization - Spring 2015

Teaching Experience

- Teaching Assistant - Fall 2016 **CS584 - Machine Learning**
- Teaching Assistant - Spring 2016 **CS513 - Geospatial Vision/Visualization**