

Bang An

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<https://bangann.github.io/>

EDUCATION

- **University of Maryland, College Park, MD, US** Sep 2020 -
Ph.D. student, Department of Computer Science
- **Tsinghua University, Beijing, China** Sep 2013 - Jul 2016
Master of Science, Department of Automation, School of Information Science and Technology
GPA: 3.76/4.0
- **Northeastern University, Shenyang, China** Sep 2009 - Jul 2013
Bachelor of Engineering, Department of Automation, Information Science and Engineering College
GPA: 3.84/4.0 (rank 1st / 272)

PUBLICATION

- [1] Xueting Han, Zhenhuan Huang, **Bang An**, Jing Bai. **Adaptive Transfer Learning on Graph Neural Networks**. ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD), 2021.
- [2] **Bang An**, Jie Lyu, Zhenyi Wang, Chunyuan Li, Changwei Hu, Fei Tan, Ruiyi Zhang, Yifan Hu and Changyou Chen. **Repulsive Attention: Rethinking Multi-head Attention as Bayesian Inference**. *Empirical Methods in Natural Language Processing (EMNLP)*, 2020.
- [3] Honglei Guo, **Bang An**, Zhili Guo, Zhong Su. **Deep Semantic Compliance Advisor for Unstructured Document Compliance Checking**. *International Joint Conference on Artificial Intelligence (IJCAI)*, 2020.
- [4] Zhenyi Wang, Xiaoyang Wang, **Bang An**, Dong Yu, Changyou Chen. **Towards Faithful Neural Table-to-Text Generation with Content-Matching Constraints**. *Association for Computational Linguistics (ACL)*, 2020.
- [5] **Bang An**, Xuannan Dong, Changyou Chen. **Repulsive Bayesian Sampling for Diversified Attention Modeling**. *NeurIPS Workshop on Bayesian Deep Learning*, 2019.
- [6] Sicheng Zhu, **Bang An**, Shiyu Niu. **Guess First to Enable Better Compression and Adversarial Robustness**. *NeurIPS Workshop on Information Theory and Machine Learning*, 2019.
- [7] Xiang Zou, Peng Cheng, **Bang An**, Jingyan Song. **Sectorization and Configuration Transition in Airspace Design**. *Mathematical Problems in Engineering*, 2016.
- [8] **Bang An**, Peng Cheng, Xiang Zou. **A Smart Sectorization Approach Based on Spectral Clustering and NSGA-II**. *IEEE International Smart Cities Conference*, 2015.

- [9] **Bang An**, Peng Cheng. **An Algorithm for a Class of Uncapacitated Facility Location Problem Based on Branch-and-Cut**. *Operations Research Transactions*, 2015. (Journal in Chinese)

PROFESSIONAL EXPERIENCE

- **Microsoft Research Asia**, Beijing, China *Sep 2020 - Dec 2020*
Research intern
- **State University of New York at Buffalo**, Buffalo, NY, US *Jul 2019 - May 2020*
Visiting scholar, Machine Learning group, advised by Prof. Changyou Chen
- **IBM Research - China**, Beijing, China *Aug 2018 - Jun 2019*
Research staff member, NLP group, mentored by Dr. Zhong Su
- **China Transport Information Center Co., Ltd.**, Beijing, China *Jul 2016 - Jul 2018*
Machine learning engineer
- **Samsung Electronics China Research Institute.**, Beijing, China *Jun 2015 - Sep 2015*
Research intern
- **Institute of Software Chinese Academy of Sciences.**, Beijing, China *Jun 2014 - Sep 2014*
Research intern

UMD COURSES

CMSC828W: Foundations of Deep Learning	A
CMSC828U: Algorithms in Machine Learning: Guarantees and Analyses	A
CMSC764: Advanced Numerical Optimization	A
CMSC828M: Applied Mechanism Design for Social Good.	A

HONORS & AWARDS

- Comprehensive Excellent Scholarship of Tsinghua University, China, 2014 and 2015
- College Graduate Excellence Award of Liaoning Province (top 1%), China, 2013
- First Prize of National Mathematics Competition in Liaoning Province, China, 2013
- Third Prize of National Computer Game Tournament (Phantom Go Track), China, 2012
- National Undergraduate Scholarship (top 1%), China, 2010, 2011, 2012
- First Prize Scholarship of Northeastern University (top 2%), China, 2010, 2011, 2012