Tong Zhao

CONTACT INFORMATION

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RESEARCH INTERESTS

Computational behavior modeling; Suspicious behavior detection
Factorization; Generative adersarial networks

EDUCATION EXPERIENCE

University of Notre Dame, Notre Dame, IN, US — August 2018 –
- Ph.D. in Computer Science and Engineering (Advisor: Dr. Meng Jiang)
- Teaching Assistant for CSE 40647 Data Science.

University of Notre Dame, Notre Dame, IN, US — August 2017 – August 2018
- Master of Engineering in Computer Science and Engineering (GPA: 3.78/4)

Case Western Reserve University, Cleveland, OH, US — August 2013 – May 2017
- Bachelor of Art in Mathematics (GPA: 3.57/4)

CONFERENCE PUBLICATIONS

[C2] **Tong Zhao**, Matthew Malir, and Meng Jiang. "Actionable Objective Optimization for Suspicious Behavior Detection on Large Bipartite Graphs." IEEE International Conference on Big Data (**BigData**), 2018.

[C1] Daheng Wang, Meng Jiang, Xueying Wang, **Tong Zhao**, Qingkai Zeng, and Nitesh V. Chawla. "A Project Showcase for Planning Research Work towards Publishable Success." ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (**KDD**), 2018. (Demo)

RESEARCH PROJECTS

Fraud behavior detection using deep adversarial learning — May 2018 –
- Combining unsupervised GAN with supervised DNN in order to identify fraudsters when only a small number of labels are available.

Bully buyer detection using actionable optimization — September 2017 – April 2018
- Revisited the problem of suspicious behavior detection at the perspective of defenders (individual sellers) and provide them an effective and actionable solution with the platform's massive data.

COURSE PROJECTS

CNN Forward Propagation Acceleration using CUDA — January 2018 – May 2018
- Utilized technique of parallel programming to decrease the overhead of memory transfers. Reduced the running time from >10000ms to ∼800ms.

INTERNSHIP EXPERIENCE

Case Western Reserve University, Cleveland, OH, US — September 2016 – May 2017
Peer Tutor
- Provided on-campus tutoring for undergraduate students in EECS courses.

Cassia Networks, San Jose, CA, US — August 2016 – August 2016
Data analyst
- Analyzed signal strength data for indoor Bluetooth locations. Organized and analyzed CRM data.

Hanhai Investment, San Jose, CA, US — June 2016 – August 2016
Market Assistant
- Analyzed data from the market and prospects. Arranged conferences and meet ups to promote networking and investment activity for big data related start-ups.