Steve T.K. Jan

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Education

- Ph.D. in Computer Science, Virginia Tech — Aug 2014 – Present (On leave: 2015-16)
  - Advisor: Prof. Gang Wang
- M.S. in Computer Science, National Taiwan University — Sep. 2008 – Jun. 2010
  - Advisor: Prof. Hsuan-Tien Lin
- B.S. in Computer Science, Chung Yuan Christian University — Sep. 2004 – Jun. 2008
  - Advisor: Prof. Bin-Shian Jung

Research and Industry Experience

- Intel, Ramesh Jaladi — May 2018 - Aug. 2018
  - Deep Learning Research Intern
- Virginia Tech, Prof. Gang Wang — Apr. 2014 – Present
  - Applied Machine learning and Cyber security
- Academia Sinica, Dr. David Wang and Prof. Hsuan-Tien Lin — Apr. 2011 – May 2014
  - Applied Machine learning

Publications

[1] **Steve T.K. Jan**, Joseph Messou, Yen-Chen Lin, Jia-Bin Huang, Gang Wang, "Connecting the digital and physical world: Improving the robustness of adversarial attacks," in *Proceedings of AAAI Conference on Artificial Intelligence (AAAI)*, 2019.

[2] **Steve T.K. Jan**, Chun Wang, Qing Zhang, Gang Wang, "Analyzing payment-driven targeted Q&A systems," in *Transactions on Social Computing (TSC)*, 2018.

[3] Ke Tien, **Steve T.K. Jan**, Hang Hu, Danfeng Yao, Gang Wang, "Needle in a haystack: Tracking down elite phishing Domains in the wild," in *Proceedings of ACM Internet Measurement Conference (IMC)*, 2018. [Online]. Available: http://people.cs.vt.edu/gangwang/imc18.pdf.

[4] Chun Wang, **Steve T.K. Jan**, Hang Hu, Douglas Bossart, Gang Wang, "The next domino to fall: Empirical analysis of user passwords across online services," in *Proceedings of The ACM Conference on Data and Applications Security and Privacy (CODASPY)*, 2018.

[5] **Steve T.K. Jan**, Chun Wang, Qing Zhang, Gang Wang, "Pay-per-question: Towards targeted Q&A with payments," in *Proceedings of ACM International Conference on Supporting Group Work (GROUP)*, 2018.

[6] Rupinder Paul Khandpur, Taoran Ji, **Steve T.K. Jan**, Gang Wang, Chang-Tien Lu, Naren Ramakrishnan, "Crowdsourcing cybersecurity: Cyber attack detection using social media," in *Proceedings of Conference on Information and Knowledge Management (CIKM)*, 2017.

[7] Yao Zhang, Bijaya Adhikari, **Steve T.K. Jan**, Aditya Prakash, "Meike: Influence-based communities in networkss," in *Proceedings of SIAM International Conference on Data Mining (SDM)*, 2017.

[8] Ahsanur Rahman, **Steve T.K. Jan**, Hyunju Kim, Aditya Prakash, T. M. Murali, "Unstable communities in network ensembles," in *Proceedings of SIAM International Conference on Data Mining (SDM)*, 2016.

[9] Ahsanur Rahmana, **Steve T.K. Jan**, Hyunju Kim, Aditya Prakash, T. M. Murali, "Mining unstable communities from network ensembles," in *Proceedings of International Conference on Data Mining Workshop (ICDM Workshop)*, 2016.

[10] **Steve T.K. Jan**, Da-Wei Wang, Chi-Hung Lin, Hsuan-Tien Lin, "A simple methodology of soft cost-sensitive classification," in *Proceedings of Knowledge Discovery and Data Minin (KDD)*, 2012.

[11] Ken-Yi Lin, **Steve T.K. Jan**, Hsuan-Tien Lin, "Data selection techniques for large-scale ranksvm," in *Proceedings of Technologies and Applications of Artificial Intelligence (TAAI)*, 2013.

[12] **Steve T.K. Jan**, Hsuan-Tien Lin, Da-Wei Wang, "Cost-sensitive classification on pathogen species of bacterial meningitis by surface enhanced raman scattering," in *Proceedings of IEEE International Conference on Bioinformatics and Biomedicine (BIBM)*, 2011.

Teaching Experience

- Intro to Programming in Java (VT CS1054), TA — S2017
- Intro to Programming (VT CS1054), TA — F2016
- Data Structures and Algorithms (VT CS3014), TA — S2015
- Data Structures and Algorithms (VT CS3014), TA — F2014
- Machine Learning (NTU CSIE), TA — S2009

Honors & Awards

- Fellow Employee Recognition Reward, Intel — 2018
- Excellent TA award, National Taiwan University — 2010
- Top 5% scores in the graduate school entrance exam, National Taiwan University — 2008

Skills

Languages	C, C++, Java, Make, Python
Frameworks	NumPy, Pandas, PyTorch, SciPy, TensorFlow
Systems	Linux, OSX