Steve T.K. Jan

📞 • ✉ tekang@vt.edu • 🌐 people.cs.vt.edu/tekang
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Education

○ Visiting Ph.D. in Computer Science	**University of Illinois at Urbana-Champaign**
○ Advisor: Gang Wang	Dec 2019 – Aug 2020
○ Ph.D. in Computer Science	**Virginia Tech**
○ Advisors: Gang Wang and Bimal Viswanath	Aug 2014 – Aug 2020 (On leave: 2015-16)
○ M.S. in Computer Science	**National Taiwan University**
○ Advisor: Hsuan-Tien Lin	Sep. 2008 – Jun. 2010
○ B.S. in Computer Science	**Chung Yuan Christian University**
○ Advisor: Bin-Shian Jung	Sep. 2004 – Jun. 2008

Experience

○ University of Illinois at Urbana-Champaign, Visiting Scholar	Dec 2019 - Aug 2020
○ MIT-IBM Watson AI Lab, Research Intern	May 2019 - Aug. 2019
○ Intel, Software Engineering Intern	May 2018 - Aug. 2018
○ Virginia Tech, Research Assistant	Apr. 2014 – Aug 2020
○ Academia Sinica, Full-time Research Assistant	Apr. 2011 – May 2014

Publications   Google Scholar ID: 1rTlcOQAAAAJ

[1] ***Steve T.K. Jan**, *Hang Hu, Yang Wang, Gang Wang, "Assessing browser-level defense against IDN-based phishing," in *Proceedings of The 30th USENIX Security Symposium (USENIX Security)*, 2021. [Online]. Available: http://people.cs.vt.edu/tekang/papers/usenix2021-browsers.pdf.

[2] **Steve T.K. Jan**, Qingying Hao, Tianrui Hu, Jiameng Pu, Sonal Oswal, Gang Wang, Bimal Viswanath, "Throwing darts in the dark? Detecting bots with limited data using neural data augmentation," in *Proceedings of The 41st IEEE Symposium on Security and Privacy (IEEE SP)*, 2020. [Online]. Available: http://people.cs.vt.edu/tekang/papers/sp20-odds.pdf.

[3] **Steve T.K. Jan**, Vatche Ishakian, Vinod Muthusamy, "Ai trust in business processes: The need for process-aware explanations," in *Proceedings of Innovative Applications of Artificial Intelligence (IAAI)*, 2020. [Online]. Available: http://people.cs.vt.edu/tekang/papers/IAAI20.pdf.

[4] **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. [Online]. Available: http://people.cs.vt.edu/tekang/papers/AAAI19.pdf.

[5] **Steve T.K. Jan**, Chun Wang, Qing Zhang, Gang Wang, "Analyzing payment-driven targeted Q&A systems," in *ACM Transactions on Social Computing (TSC)*, 2018. [Online]. Available: http://people.cs.vt.edu/tekang/papers/TSC_2018.pdf.

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[7] 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. [Online]. Available: http://people.cs.vt.edu/tekang/papers/pass.pdf.

[8] **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. [Online]. Available: http://people.cs.vt.edu/tekang/papers/qa18.pdf.

[9] 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. [Online]. Available: http://people.cs.vt.edu/tekang/papers/crowdsec17.pdf.

[10] 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. [Online]. Available: http://people.cs.vt.edu/tekang/papers/meike-sdm17.pdf.

[11] 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. [Online]. Available: http://people.cs.vt.edu/tekang/papers/ucs-sdm16.pdf.

[12] 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. [Online]. Available: http://people.cs.vt.edu/tekang/papers/ucs-sdm16.pdf.

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[14] 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. [Online]. Available: http://people.cs.vt.edu/tekang/papers/aai13prune.pdf.

[15] **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. [Online]. Available: http://people.cs.vt.edu/tekang/papers/bibm11.pdf.

Teaching Experience

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

Honors & Awards

o Student Registration Award, IEEE Symposium on Security and Privacy	2020
o Fellow Employee Recognition Reward, Intel	2018
o Excellent TA Award, National Taiwan University	2010

Skills

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