

Meng-Chieh (Jeremy) Lee

CONTACT INFORMATION	Website: https://mengchillee.github.io/	mengchil.work@gmail.com
WORK EXPERIENCE	Amazon Web Services <i>Applied Scientist</i>	Santa Clara, CA June 2025 - Present
EDUCATION	Carnegie Mellon University <i>Ph.D., Computer Science Department</i> Advisors: Christos Faloutsos and Leman Akoglu	Pittsburgh, PA Aug 2021 - May 2025
	National Chiao Tung University <i>M.S., Computer Science and Engineering</i> Advisor: Vincent S. Tseng	Hsinchu, Taiwan July 2017 - July 2020
REFERRED PUBLICATIONS APPEARED	<ol style="list-style-type: none">1. Lee, M.C., Zhu, Q., Mavromatis, C., Han, Z., Adeshina, S., Ioannidis, V.N., Rangwala, H., Faloutsos, C., "HybGRAG: Hybrid Retrieval-Augmented Generation on Textual and Relational Knowledge Bases". <i>Annual Meeting of the Association for Computational Linguistics (ACL)</i>, 2025.2. Deforce, B., Lee, M.C., Baesens, B., Serral Asensio, E., Yoo, J., and Akoglu, L., "TSA on AutoPilot: Self-tuning Self-supervised Time Series Anomaly Detection". <i>SIAM International Conference on Data Mining (SDM)</i>, 2025.3. Lee, M.C., Shekhar, S., Yoo, J., and Faloutsos, C., "Discovery and Exploitation of Generalized Network Effects". <i>Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD)</i>, 2024.4. Posam, L., Shekhar, S., Lee, M.C., and Faloutsos, C., "DiffFind: Discovering Differential Equations from Time Series". <i>Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD)</i>, 2024.5. Lee, M.C.*, Zhao, L.*., and Akoglu, L., "Descriptive Kernel Convolution Network with Improved Random Walk Kernel". <i>ACM Web Conference (WWW)</i>, 2024.6. Lee, M.C., Yu, H., Zhang, J., Ioannidis, V.N., Song, X., Adeshina, S., Zheng, D., and Faloutsos, C., "NetInfoF Framework: Measuring and Exploiting Network Usable Information". <i>International Conference on Learning Representations (ICLR)</i>, 2024. (Spotlight).7. Cazzolato, M., Vijayakumar, S., Lee, M.C., Vajiac, C., Park, N., Fidalgo, P., Traina, A., and Faloutsos, C., "CallMine: Fraud Detection and Visualization of Million-Scale Call Graphs". <i>ACM International Conference on Information and Knowledge Management (CIKM)</i>, 2023.8. Yoo, J.*., Lee, M.C.*, Shekhar, S., and Faloutsos, C., "Less is More: SLIMG for Accurate, Robust, and Interpretable Graph Mining". <i>ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD)</i>, 2023.9. Vajiac, C., Lee, M.C., Kulshrestha, A., Levy, S., Park, N., Olligschlaeger, A., Jones, C., Rabbany, R., and Faloutsos, C., "DELTA SHIELD: Information Theory for Human-Trafficking Detection". <i>ACM Transactions on Knowledge Discovery from Data (TKDD)</i>, 2023.	

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11. Cazzolato, M., Vijayakumar, S., Zheng, X., Park, N., **Lee, M.C.**, Fidalgo, P., Lages, B., Traina, A., and Faloutsos, C., “TgraphSpot: Fast and Effective Anomaly Detection for Time-Evolving Graphs”. *IEEE International Conference on Big Data (BigData)*, 2022.
12. Vajiac, C., Chau, D.H., Olligschlaeger, A., Mackenzie, R., Nair, P., **Lee, M.C.**, Li, Y., Park, N., Rabbany, R., A., and Faloutsos, C., “TrafficVis: Visualizing Organized Activity and Spatio-Temporal Patterns for Detecting and Labeling Human Trafficking”. *IEEE Visualization Conference (IEEE VIS)*, 2022. (Best Paper Honorable Mention)
13. Nair, P., Li, Y., Vajiac, C., Olligschlaeger, A., **Lee, M.C.**, Park, N., A., Chau, D.H., Faloutsos, C., and Rabbany, R., “VisPaD: Visualization and Pattern Discovery for Fighting Human Trafficking”. *ACM International World Wide Web Conference (WWW)*, 2021.
14. **Lee, M.C.***, Shekhar, S.*., Faloutsos, C., Hutson, T.N., and Lasemidis, L., “GEN²OUT: Detecting and Ranking Generalized Anomalies”. *IEEE International Conference on Big Data (BigData)*, 2021.
15. **Lee, M.C.**, Nguyen, H., Berberidis, D., Tseng, V.S., and Akoglu, L., “GAWD: Graph Anomaly Detection in Weighted Directed Graph Databases”. *IEEE/ACM International Conference on Advances in Social Network Analysis and Mining (ASONAM)*, 2021.
16. Vajiac, C., Olligschlaeger, A., Li, Y., Nair, P., **Lee, M.C.**, Park, N., Rabbany, R., A., Chau, D.H., and Faloutsos, C., “TrafficVis: Fighting Human Trafficking through Visualization”. *IEEE Visualization Conference (IEEE VIS)*, 2021. (Best Poster Honorable Mention)
17. **Lee, M.C.***, Vajiac, C.*., Kulshrestha, A., Levy, S., Park, N., Jones, C., Rabbany, R., and Faloutsos, C., “INFOSHIELD: Generalizable Information-Theoretic Human-Trafficking Detection”. *37th IEEE International Conference on Data Engineering (ICDE)*, 2021.
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19. **Lee, M.C.**, Huang, Y., Ying, J.J.C., Chen, C., and Tseng, V.S., “DeepIdentifier: A Deep Learning-Based Lightweight Approach for User Identity Recognition”. *15th International Conference on Advanced Data Mining and Applications (ADMA)*, 2019.
20. Huang, Y., **Lee, M.C.**, Tseng, V.S., Hsiao C.J. and Huang C.C., “Robust Sensor-based Human Activity Recognition with Snippet Consensus Neural Networks”. *16th IEEE International Conference on Wearable and Implantable Body Sensor Networks (BSN)*, 2019.

IN THE NEWS

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INFOSHIELD for Human Trafficking Detection

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