



Jure Leskovec

Professor of Computer Science

CONTACT INFORMATION

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Bio

BIO

Jure Leskovec is Professor of Computer Science at Stanford University. He is affiliated with the Stanford AI Lab, Machine Learning Group and the Center for Research on Foundation Models. In the past, he served as a Chief Scientist at Pinterest and was an investigator at Chan Zuckerberg BioHub. Leskovec recently pioneered the field of Graph Neural Networks and co-authored PyG, the most widely-used graph neural network library. Research from his group has been used by many countries to fight COVID-19 pandemic, and has been incorporated into products at Facebook, Pinterest, Uber, YouTube, Amazon, and more.

His research received several awards including Microsoft Research Faculty Fellowship in 2011, Okawa Research award in 2012, Alfred P. Sloan Fellowship in 2012, Lagrange Prize in 2015, and ICDM Research Contributions Award in 2019. His research contributions have spanned social networks, data mining and machine learning, and computational biomedicine with the focus on drug discovery. His work has won 12 best paper awards and 5 10-year test of time awards at a premier venues in these research areas.

Leskovec received his bachelor's degree in computer science from University of Ljubljana, Slovenia, PhD in machine learning from Carnegie Mellon University and postdoctoral training at Cornell University.

ACADEMIC APPOINTMENTS

- Professor, Computer Science
- Member, Bio-X
- Faculty Affiliate, Institute for Human-Centered Artificial Intelligence (HAI)
- Member, Wu Tsai Neurosciences Institute

PROFESSIONAL EDUCATION

- BSc, University of Ljubljana, Slovenia , Computer Science (2004)
- PhD, Carnegie Mellon University , Computer Science (2008)

LINKS

- My Personal Site: <http://cs.stanford.edu/~jure/>

Teaching

COURSES

2025-26

- AI for Science: CS 524 (Aut)
- Machine Learning with Graphs: CS 224W (Aut)
- Mining Massive Data Sets: CS 246 (Win)

2024-25

- Machine Learning with Graphs: CS 224W (Aut)
- Mining Massive Data Sets: CS 246 (Win)

2023-24

- Machine Learning with Graphs: CS 224W (Aut)
- Mining Massive Data Sets: CS 246 (Win)

2022-23

- Machine Learning with Graphs: CS 224W (Win)
- Mining Massive Data Sets: CS 246 (Spr)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Jessica Kain, Gowri Nayar

Postdoctoral Faculty Sponsor

Vijay Prakash Dwivedi

Orals Evaluator

Minkai Xu

Master's Program Advisor

Alexandre Acra, Luis Botin-Sanz de Sautuola, Pino Cholsaipant, Kyle Feinstein, Ananya Ganapathi, Tim Jing, Priya Khandelwal, Minyeong Kim, Grant Lau, Nathan Maldi, Krish Maniar, Antonio Noyola, Andrew Park, Daniel Reichfeld, Nicolas Reinoza, Alex Rivas, Zara Rutherford, Akemi Sabatier, Aaron Sequeira, Christopher Sun, Ron Wang, Jason Yan, Swetha Yogeswaran, Flora Yuan, Ethan Zhang

Doctoral Dissertation Co-Advisor (AC)

Jared Davis, Minkai Xu

Doctoral (Program)

Michael Bereket, Tianlang Chen, Kuan Pang, Rishabh Ranjan, Marcel Roed, Yanay Rosen

Postdoctoral Research Mentor

Moritz Schaefer

Publications

PUBLICATIONS

- **Mutual interactors as a principle for phenotype discovery in molecular interaction networks.** *Pacific Symposium on Biocomputing. Pacific Symposium on Biocomputing*
Eyuboglu, S., Zitnik, M., Leskovec, J.
2023; 28: 61-72
- **Foundation models for generalist medical artificial intelligence.** *Nature*
Moor, M., Banerjee, O., Abad, Z. S., Krumholz, H. M., Leskovec, J., Topol, E. J., Rajpurkar, P.
2023; 616 (7956): 259-265
- **Hybrid forecasting of geopolitical events(dagger)** *AI MAGAZINE*
Benjamin, D. M. M., Morstatter, F., Abbas, A. E. E., Abeliuk, A., Atanasov, P., Bennett, S., Beger, A., Birari, S., Budescu, D. V. V., Catasta, M., Ferrara, E., Haravitch, L., Himmelstein, et al
2023; 44 (1): 112-128
- **M2P2: Multimodal Persuasion Prediction Using Adaptive Fusion** *IEEE TRANSACTIONS ON MULTIMEDIA*
Bai, C., Chen, H., Kumar, S., Leskovec, J., Subrahmanian, V. S.
2023; 25: 942-952
- **Annotation of spatially resolved single-cell data with STELLAR.** *Nature methods*
Brbic, M., Cao, K., Hickey, J. W., Tan, Y., Snyder, M. P., Nolan, G. P., Leskovec, J.
2022
- **Combining Graph Convolutional Neural Networks and Label Propagation** *ACM TRANSACTIONS ON INFORMATION SYSTEMS*
Wang, H., Leskovec, J.
2022; 40 (4)
- **Artificial intelligence foundation for therapeutic science.** *Nature chemical biology*
Huang, K., Fu, T., Gao, W., Zhao, Y., Roohani, Y., Leskovec, J., Coley, C. W., Xiao, C., Sun, J., Zitnik, M.
2022
- **Fly Cell Atlas: A single-nucleus transcriptomic atlas of the adult fruit fly.** *Science (New York, N.Y.)*
Li, H., Janssens, J., De Waegeneer, M., Kolluru, S. S., Davie, K., Gardeux, V., Saelens, W., David, F. P., Brbic, M., Spanier, K., Leskovec, J., McLaughlin, C. N., Xie, et al
2022; 375 (6584): eabk2432
- **Guest Editorial: Non-Euclidean Machine Learning** *IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE*
Zafeiriou, S., Bronstein, M., Cohen, T., Vinyals, O., Song, L., Leskovec, J., Lio, P., Bruna, J., Gori, M.
2022; 44 (2): 723-726
- **Large-scale diet tracking data reveal disparate associations between food environment and diet.** *Nature communications*
Althoff, T., Nilforoshan, H., Hua, J., Leskovec, J.
1800; 13 (1): 267
- **LinkBERT: Pretraining Language Models with Document Links**
Yasunaga, M., Leskovec, J., Liang, P., Assoc Computat Linguist
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2022: 8003-8016
- **Data-Driven Real-Time Strategic Placement of Mobile Vaccine Distribution Sites**
Mehrab, Z., Wilson, M. L., Chang, S., Harrison, G., Lewis, B., Telionis, A., Crow, J., Kim, D., Spillmann, S., Peters, K., Leskovec, J., Marathe, M. V., Assoc Advancement Artificial Intelligence
ASSOC ADVANCEMENT ARTIFICIAL INTELLIGENCE.2022: 12573-12579
- **Companies under stress: the impact of shocks on the production network** *EPJ DATA SCIENCE*
Palovics, R., Dolenc, P., Leskovec, J.
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- **Companies under stress: the impact of shocks on the production network.** *EPJ data science*
Pálovics, R., Dolenc, P., Leskovec, J.
2021; 10 (1): 57
- **Leveraging the Cell Ontology to classify unseen cell types.** *Nature communications*
Wang, S., Pisco, A. O., McGeever, A., Brbic, M., Zitnik, M., Darmanis, S., Leskovec, J., Karkanias, J., Altman, R. B.
2021; 12 (1): 5556
- **Postmortem memory of public figures in news and social media.** *Proceedings of the National Academy of Sciences of the United States of America*
West, R., Leskovec, J., Potts, C.
2021; 118 (38)
- **Daily, weekly, seasonal and menstrual cycles in women's mood, behaviour and vital signs.** *Nature human behaviour*
Pierson, E., Althoff, T., Thomas, D., Hillard, P., Leskovec, J.
2021
- **Temporal evolution of single-cell transcriptomes of Drosophila olfactory projection neurons.** *eLife*
Xie, Q., Brbic, M., Horns, F., Kolluru, S. S., Jones, R. C., Li, J., Reddy, A. R., Xie, A., Kohani, S., Li, Z., McLaughlin, C. N., Li, T., Xu, et al
2021; 10
- **An algorithmic approach to reducing unexplained pain disparities in underserved populations.** *Nature medicine*
Pierson, E., Cutler, D. M., Leskovec, J., Mullainathan, S., Obermeyer, Z.
2021; 27 (1): 136–40
- **LM-Critic: Language Models for Unsupervised Grammatical Error Correction**
Yasunaga, M., Leskovec, J., Liang, P., Assoc Computat Linguist
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2021: 7752-7763
- **Bipartite Dynamic Representations for Abuse Detection**
Wang, A. Z., Ying, R., Li, P., Rao, N., Subbian, K., Leskovec, J., ASSOC COMP MACHINERY
ASSOC COMPUTING MACHINERY.2021: 3638-3648
- **Relational Message Passing for Knowledge Graph Completion**
Wang, H., Ren, H., Leskovec, J., ASSOC COMP MACHINERY
ASSOC COMPUTING MACHINERY.2021: 1697-1707
- **Supporting COVID-19 policy response with large-scale mobility-based modeling**
Chang, S., Wilson, M. L., Lewis, B., Mehrab, Z., Dudakiya, K. K., Pierson, E., Koh, P., Gerardin, J., Redbird, B., Grusky, D., Marathe, M., Leskovec, J., ASSOC COMP MACHINERY
ASSOC COMPUTING MACHINERY.2021: 2632-2642
- **F-FADE: Frequency Factorization for Anomaly Detection in Edge Streams**
Chang, Y., Li, P., Sasic, R., Affi, M. H., Schweighauser, M., Leskovec, J., ASSOC COMP MACHINERY
ASSOC COMPUTING MACHINERY.2021: 589-597
- **Identity-aware Graph Neural Networks**
You, J., Gomes-Selman, J. M., Ying, R., Leskovec, J., Assoc Advancement Artificial Intelligence
ASSOC ADVANCEMENT ARTIFICIAL INTELLIGENCE.2021: 10737-10745
- **LEGO: Latent Execution-Guided Reasoning for Multi-Hop Question Answering on Knowledge Graphs**
Ren, H., Dai, H., Dai, B., Chen, X., Yasunaga, M., Sun, H., Schuurmans, D., Leskovec, J., Zhou, D.
edited by Meila, M., Zhang, T.
JMLR-JOURNAL MACHINE LEARNING RESEARCH.2021
- **Inductive Learning on Commonsense Knowledge Graph Completion**
Wang, B., Wang, G., Huang, J., You, J., Leskovec, J., Kuo, C., IEEE
IEEE.2021
- **GNNAutoScale: Scalable and Expressive Graph Neural Networks via Historical Embeddings**

Fey, M., Lenssen, J., Weichert, F., Leskovec, J.
edited by Meila, M., Zhang, T.
JMLR-JOURNAL MACHINE LEARNING RESEARCH.2021

● **WILDS: A Benchmark of in-the-Wild Distribution Shifts**

Koh, P., Sagawa, S., Marklund, H., Xie, S., Zhang, M., Balsubramani, A., Hu, W., Yasunaga, M., Phillips, R., Gao, I., Lee, T., David, E., Stavness, et al
edited by Meila, M., Zhang, T.
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● **TEDIC: Neural Modeling of Behavioral Patterns in Dynamic Social Interaction Networks**

Wang, Y., Li, P., Bai, C., Leskovec, J., ACM
ASSOC COMPUTING MACHINERY.2021: 693-705

● **Maximally selective single-cell target for circuit control in epilepsy models.** *Neuron*

Hadjjabadi, D., Lovett-Barron, M., Raikov, I. G., Sparks, F. T., Liao, Z., Baraban, S. C., Leskovec, J., Losonczy, A., Deisseroth, K., Soltesz, I.
2021

● **Identification of disease treatment mechanisms through the multiscale interactome.** *Nature communications*

Ruiz, C., Zitnik, M., Leskovec, J.
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● **Single-cell transcriptomes of developing and adult olfactory receptor neurons in Drosophila.** *eLife*

McLaughlin, C. N., Brbić, M. n., Xie, Q. n., Li, T. n., Horns, F. n., Kolluru, S. S., Kebschull, J. M., Vacek, D. n., Xie, A. n., Li, J. n., Jones, R. C., Leskovec, J. n., Quake, et al
2021; 10

● **Mobility network models of COVID-19 explain inequities and inform reopening.** *Nature*

Chang, S., Pierson, E., Koh, P. W., Gerardin, J., Redbird, B., Grusky, D., Leskovec, J.
2020

● **MARS: discovering novel cell types across heterogeneous single-cell experiments.** *Nature methods*

Brbic, M., Zitnik, M., Wang, S., Pisco, A. O., Altman, R. B., Darmanis, S., Leskovec, J.
2020

● **Gender Differences in Patient Perceptions of Physicians' Communal Traits and the Impact on Physician Evaluations.** *Journal of women's health (2002)*

Chen, H. n., Pierson, E. n., Schmer-Galunder, S. n., Altamirano, J. n., Jurafsky, D. n., Leskovec, J. n., Fassiotto, M. n., Kothary, N. n.
2020

● **OCEAN: Online Task Inference for Compositional Tasks with Context Adaptation**

Ren, H., Zhu, Y., Leskovec, J., Anandkumar, A., Garg, A.
edited by Peters, J., Sontag, D.
JMLR-JOURNAL MACHINE LEARNING RESEARCH.2020: 1378-1387

● **Machine learning for integrating data in biology and medicine: Principles, practice, and opportunities** *INFORMATION FUSION*

Zitnik, M., Nguyen, F., Wang, B., Leskovec, J., Goldenberg, A., Hoffman, M. M.
2019; 50: 71–91

● **Machine Learning for Integrating Data in Biology and Medicine: Principles, Practice, and Opportunities.** *An international journal on information fusion*

Zitnik, M., Nguyen, F., Wang, B., Leskovec, J., Goldenberg, A., Hoffman, M. M.
2019; 50: 71–91

● **Pretraining deep learning molecular representations for property prediction**

Liu, B., Hu, W., Leskovec, J., Liang, P., Pande, V.
AMER CHEMICAL SOC.2019

● **Best practices for analyzing large-scale health data from wearables and smartphone apps.** *NPJ digital medicine*

Hicks, J. L., Althoff, T., Susic, R., Kuhar, P., Bostjancic, B., King, A. C., Leskovec, J., Delp, S. L.

2019; 2: 45

- **Best practices for analyzing large-scale health data from wearables and smartphone apps** *NPJ DIGITAL MEDICINE*
Hicks, J. L., Althoff, T., Sosic, R., Kuhar, P., Bostjancic, B., King, A. C., Leskovec, J., Delp, S. L.
2019; 2
- **To Embed or Not: Network Embedding as a Paradigm in Computational Biology** *FRONTIERS IN GENETICS*
Nelson, W., Zitnik, M., Wang, B., Leskovec, J., Goldenberg, A., Sharan, R.
2019; 10
- **Goal-setting And Achievement In Activity Tracking Apps: A Case Study Of MyFitnessPal.** *Proceedings of the ... International World-Wide Web Conference. International WWW Conference*
Gordon, M. L., Althoff, T., Leskovec, J.
2019; 2019: 571-582
- **To Embed or Not: Network Embedding as a Paradigm in Computational Biology.** *Frontiers in genetics*
Nelson, W., Zitnik, M., Wang, B., Leskovec, J., Goldenberg, A., Sharan, R.
2019; 10: 381
- **Inferring Multidimensional Rates of Aging from Cross-Sectional Data.** *Proceedings of machine learning research*
Pierson, E., Koh, P. W., Hashimoto, T., Koller, D., Leskovec, J., Eriksson, N., Liang, P.
2019; 89: 97–107
- **Evolution of resilience in protein interactomes across the tree of life.** *Proceedings of the National Academy of Sciences of the United States of America*
Zitnik, M., Sosic, R., Feldman, M. W., Leskovec, J.
2019
- **Panel: Computational Methods about Knowledge Graph The First International Workshop on Knowledge Graph Technology and Applications**
Tang, J., Leskovec, J., Wang, K., McGuinness, D., Sawaf, H., ACM
ASSOC COMPUTING MACHINERY.2019: 677
- **Faithful and Customizable Explanations of Black Box Models**
Lakkaraju, H., Kamar, E., Caruana, R., Leskovec, J., Assoc Comp Machinery
ASSOC COMPUTING MACHINERY.2019: 131–38
- **Inferring Multidimensional Rates of Aging from Cross-Sectional Data**
Pierson, E., Koh, P., Hashimoto, T., Koller, D., Leskovec, J., Eriksson, N., Liang, P.
edited by Chaudhuri, K., Sugiyama, M.
MICROTOME PUBLISHING.2019: 97–107
- **Hyperbolic Graph Convolutional Neural Networks.** *Advances in neural information processing systems*
Chami, I. n., Ying, R. n., Ré, C. n., Leskovec, J. n.
2019; 32: 4869–80
- **GNNExplainer: Generating Explanations for Graph Neural Networks.** *Advances in neural information processing systems*
Ying, R. n., Bourgeois, D. n., You, J. n., Zitnik, M. n., Leskovec, J. n.
2019; 32: 9240–51
- **G2SAT: Learning to Generate SAT Formulas.** *Advances in neural information processing systems*
You, J. n., Wu, H. n., Barrett, C. n., Ramanujan, R. n., Leskovec, J. n.
2019; 32: 10552–63
- **Predicting Dynamic Embedding Trajectory in Temporal Interaction Networks.** *KDD : proceedings. International Conference on Knowledge Discovery & Data Mining*
Kumar, S. n., Zhang, X. n., Leskovec, J. n.
2019; 2019: 1269–78
- **The Local Closure Coefficient: A New Perspective On Network Clustering**
Yin, H., Benson, A. R., Leskovec, J., ACM

ASSOC COMPUTING MACHINERY.2019: 303–11

- **Hyperbolic Graph Convolutional Neural Networks**

Chami, I., Ying, R., Re, C., Leskovec, J.

edited by Wallach, H., Larochelle, H., Beygelzimer, A., d'Alche-Buc, F., Fox, E., Garnett, R.

NEURAL INFORMATION PROCESSING SYSTEMS (NIPS).2019

- **Predicting pregnancy using large-scale data from a women's health tracking mobile application**

Liu, B., Shi, S., Wu, Y., Thomas, D., Symul, L., Pierson, E., Leskovec, J., Assoc Comp Machinery

ASSOC COMPUTING MACHINERY.2019: 2999–3005

- **Goal-setting And Achievement In Activity Tracking Apps: A Case Study Of MyFitnessPal**

Gordon, M. L., Althoff, T., Leskovec, J., Assoc Comp Machinery

ASSOC COMPUTING MACHINERY.2019: 571–82

- **Hierarchical Temporal Convolutional Networks for Dynamic Recommender Systems**

You, J., Wang, Y., Pal, A., Eksombatchai, P., Rosenberg, C., Leskovec, J., Assoc Comp Machinery

ASSOC COMPUTING MACHINERY.2019: 2236–46

- **Knowledge-aware Graph Neural Networks with Label Smoothness Regularization for Recommender Systems**

Wang, H., Zhang, F., Zhang, M., Leskovec, J., Zhao, M., Li, W., Wang, Z., Assoc Comp Machinery

ASSOC COMPUTING MACHINERY.2019: 968–77

- **GNNExplainer: Generating Explanations for Graph Neural Networks**

Ying, R., Bourgeois, D., You, J., Zitnik, M., Leskovec, J.

edited by Wallach, H., Larochelle, H., Beygelzimer, A., d'Alche-Buc, F., Fox, E., Garnett, R.

NEURAL INFORMATION PROCESSING SYSTEMS (NIPS).2019

- **G2SAT: Learning to Generate SAT Formulas**

You, J., Wu, H., Barrett, C., Ramanujan, R., Leskovec, J.

edited by Wallach, H., Larochelle, H., Beygelzimer, A., d'Alche-Buc, F., Fox, E., Garnett, R.

NEURAL INFORMATION PROCESSING SYSTEMS (NIPS).2019

- **Complete the Look: Scene-based Complementary Product Recommendation**

Kang, W., Kim, E., Leskovec, J., Rosenberg, C., McAuley, J., IEEE Comp Soc

IEEE.2019: 10524–33

- **Network enhancement as a general method to denoise weighted biological networks. *Nature communications***

Wang, B., Pourshafeie, A., Zitnik, M., Zhu, J., Bustamante, C. D., Batzoglou, S., Leskovec, J.

2018; 9 (1): 3108

- **Modeling polypharmacy side effects with graph convolutional networks. *Bioinformatics (Oxford, England)***

Zitnik, M., Agrawal, M., Leskovec, J.

2018; 34 (13): i457–i466

- **Prioritizing network communities. *Nature communications***

Zitnik, M., Sosis, R., Leskovec, J.

2018; 9 (1): 2544

- **Higher-order clustering in networks *PHYSICAL REVIEW E***

Yin, H., Benson, A. R., Leskovec, J.

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- **Higher-order clustering in networks. *Physical review. E***

Yin, H., Benson, A. R., Leskovec, J.

2018; 97 (5-1): 052306

- **Modeling Individual Cyclic Variation in Human Behavior. *Proceedings of the ... International World-Wide Web Conference. International WWW Conference***

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- **Modeling Interdependent and Periodic Real-World Action Sequences.** *Proceedings of the ... International World-Wide Web Conference. International WWW Conference*
Kurashima, T., Althoff, T., Leskovec, J.
2018; 2018: 803–12
- **I'll Be Back: On the Multiple Lives of Users of a Mobile Activity Tracking Application.** *Proceedings of the ... International World-Wide Web Conference. International WWW Conference*
Lin, Z., Althoff, T., Leskovec, J.
2018; 2018: 1501–11
- **HUMAN DECISIONS AND MACHINE PREDICTIONS** *QUARTERLY JOURNAL OF ECONOMICS*
Kleinberg, J., Lakkaraju, H., Leskovec, J., Ludwig, J., Mullainathan, S.
2018; 133 (1): 237–93
- **Accurate Influenza Monitoring and Forecasting Using Novel Internet Data Streams: A Case Study in the Boston Metropolis.** *JMIR public health and surveillance*
Lu, F. S., Hou, S., Baltrusaitis, K., Shah, M., Leskovec, J., Susic, R., Hawkins, J., Brownstein, J., Conidi, G., Gunn, J., Gray, J., Zink, A., Santillana, et al
2018; 4 (1): e4
- **Large-scale analysis of disease pathways in the human interactome.** *Pacific Symposium on Biocomputing. Pacific Symposium on Biocomputing*
Agrawal, M., Zitnik, M., Leskovec, J.
2018; 23: 111–22
- **Community Interaction and Conflict on the Web**
Kumar, S., Hamilton, W. L., Leskovec, J., Jurafsky, D., *Assoc Comp Machinery ASSOC COMPUTING MACHINERY*.2018: 933–43
- **Embedding Logical Queries on Knowledge Graphs**
Hamilton, W. L., Bajaj, P., Zitnik, M., Jurafsky, D., Leskovec, J.
edited by Bengio, S., Wallach, H., Larochelle, H., Grauman, K., CesaBianchi, N., Garnett, R.
NEURAL INFORMATION PROCESSING SYSTEMS (NIPS).2018
- **MIS2: Misinformation and Misbehavior Mining on the Web**
Kumar, S., Jiang, M., Jung, T., Luo, R., Leskovec, J., *ACM ASSOC COMPUTING MACHINERY*.2018: 799–800
- **Data-Driven Model Predictive Control of Autonomous Mobility-on-Demand Systems**
Iglesias, R., Rossi, F., Wang, K., Hallac, D., Leskovec, J., Pavone, M., *IEEE IEEE COMPUTER SOC*.2018: 6019–25
- **Drive2Vec: Multiscale State-Space Embedding of Vehicular Sensor Data**
Hallac, D., Bhooshan, S., Chen, M., Abida, K., Susic, R., Leskovec, J., *IEEE IEEE*.2018: 3233–38
- **Learning Structural Node Embeddings via Diffusion Wavelets**
Donnat, C., Zitnik, M., Hallac, D., Leskovec, J., *ACM ASSOC COMPUTING MACHINERY*.2018: 1320–29
- **Graph Convolutional Neural Networks for Web-Scale Recommender Systems**
Ying, R., He, R., Chen, K., Eksombatchai, P., Hamilton, W. L., Leskovec, J., *ACM ASSOC COMPUTING MACHINERY*.2018: 974–83
- **Hierarchical Graph Representation Learning with Differentiable Pooling**
Ying, R., You, J., Morris, C., Ren, X., Hamilton, W. L., Leskovec, J.
edited by Bengio, S., Wallach, H., Larochelle, H., Grauman, K., CesaBianchi, N., Garnett, R.
NEURAL INFORMATION PROCESSING SYSTEMS (NIPS).2018
- **Graph Convolutional Policy Network for Goal-Directed Molecular Graph Generation**

- You, J., Liu, B., Ying, R., Pande, V., Leskovec, J.
edited by Bengio, S., Wallach, H., Larochelle, H., Grauman, K., CesaBianchi, N., Garnett, R.
NEURAL INFORMATION PROCESSING SYSTEMS (NIPS).2018
- **Dynamic Network Model from Partial Observations**
Ghalebi, E., Mirzsoleiman, B., Grosu, R., Leskovec, J.
edited by Bengio, S., Wallach, H., Larochelle, H., Grauman, K., CesaBianchi, N., Garnett, R.
NEURAL INFORMATION PROCESSING SYSTEMS (NIPS).2018
 - **Large-scale analysis of disease pathways in the human interactome**
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edited by Altman, R. B., Dunker, A. K., Hunter, L., Ritchie, M. D., Murray, T., Klein, T. E.
WORLD SCIENTIFIC PUBL CO PTE LTD.2018: 111–22
 - **The Selective Labels Problem: Evaluating Algorithmic Predictions in the Presence of Unobservables.** *KDD : proceedings. International Conference on Knowledge Discovery & Data Mining*
Lakkaraju, H., Kleinberg, J., Leskovec, J., Ludwig, J., Mullainathan, S.
2017; 2017: 275–84
 - **Toeplitz Inverse Covariance-Based Clustering of Multivariate Time Series Data.** *KDD : proceedings. International Conference on Knowledge Discovery & Data Mining*
Hallac, D., Vare, S., Boyd, S., Leskovec, J.
2017; 2017: 215–23
 - **Network Inference via the Time-Varying Graphical Lasso.** *KDD : proceedings. International Conference on Knowledge Discovery & Data Mining*
Hallac, D., Park, Y., Boyd, S., Leskovec, J.
2017; 2017: 205–13
 - **Local Higher-Order Graph Clustering.** *KDD : proceedings. International Conference on Knowledge Discovery & Data Mining*
Yin, H., Benson, A. R., Leskovec, J., Gleich, D. F.
2017; 2017: 555–64
 - **Large-scale physical activity data reveal worldwide activity inequality** *NATURE*
Althoff, T., Susic, R., Hicks, J. L., King, A. C., Delp, S. L., Leskovec, J.
2017; 547 (7663): 336–+
 - **Predicting multicellular function through multi-layer tissue networks** *BIOINFORMATICS*
Zitnik, M., Leskovec, J.
2017; 33 (14): 1190–1198
 - **Network analysis: a novel method for mapping neonatal acute transport patterns in California.** *Journal of perinatology*
Kunz, S. N., Zupancic, J. A., Rigdon, J., Phibbs, C. S., Lee, H. C., Gould, J. B., Leskovec, J., Profit, J.
2017; 37 (6): 702-708
 - **Loyalty in Online Communities.** *Proceedings of the ... International AAAI Conference on Weblogs and Social Media. International AAAI Conference on Weblogs and Social Media*
Hamilton, W. L., Zhang, J., Danescu-Niculescu-Mizil, C., Jurafsky, D., Leskovec, J.
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