

Joyce C Ho

Associate Professor, Emory University

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EDUCATION

2015	University of Texas, Austin	Ph.D. in Electrical and Computer Engineering
2004	Massachusetts Institute of Technology	M.A. in Electrical Engineering and Computer Science
2003	Massachusetts Institute of Technology	B.S. in Electrical Engineering and Computer Science

SELECTED AWARDS AND GRANTS

2023	IEEE	ICDM Young Female Scholar Award
2022	National Science Foundation	CAREER Award (\$499,980)
2022	Machine Learning for Health	Outstanding Paper Award
2021	Johnson and Johnson	Decoding Disparities QuickFire Challenge Awardee (\$200,000)
2018	National Science Foundation	Collaborative BIGDATA Grant (\$943,057)
2018	National Library of Medicine	NIH Mentored Research Scientists Development Award (\$520,869)

PROFESSIONAL EXPERIENCE

Current	Associate Professor (2022-), Director of Graduate Studies for Computer Science Master of Science Program (2024-), & Assistant Professor (2016-2022) Computer Science Department, EMORY UNIVERSITY
January 2016	<ul style="list-style-type: none">> Lead the Practical Data Mining & Exploration Lab; Supervise undergraduate and graduate students on research into data mining and machine learning.> Teach courses on Introduction to Computer Science, Machine Learning, Database Systems, and Big Data Analytics.> Faculty advisor for Emory Computer Science Club and Girls Who Code.
Current	Special Government Employee, U.S. FOOD AND DRUG ADMINISTRATION
August 2024	<ul style="list-style-type: none">> Voting member of the Digital Health Advisory Committee in the Center for Devices and Radiological Health.
Current	Guest Researcher, CENTERS FOR DISEASE CONTROL AND PREVENTION
May 2016	<ul style="list-style-type: none">> Research the development and application of data mining and machine learning methods towards better understanding of Myalgic Encephalomyelitis/Chronic Fatigue Syndrome.
January 2016	Chief Data Scientist, ACCORDION HEALTH INC.
September 2013	<ul style="list-style-type: none">> Co-founder; board of directors of healthcare technology company.> Team lead for 2014 Code-a-Palooza Challenge Awardee (\$10,000).> Company was acquired by Evolent Health in June 2017.

SELECTED RECENT PUBLICATIONS

- > Huan He, Yijie Hao, Yuanzhe Xi, Yong Chen, Bradley Malin, and **Joyce Ho**. "A flexible generative model for heterogeneous tabular EHR with missing modality." In: The Twelfth International Conference on Learning Representations.
- > Jing Zhang, Huan Sun, and **Joyce C Ho**. "EMBA: Entity matching using multi-task learning of BERT with attention-over-attention." In: Extending Database Technology, pp. 281-293. 2024.
- > Eric W Lee, and **Joyce C Ho**. "PGB: A PubMed graph benchmark for heterogeneous network representation learning." In: Proceedings of the 32nd ACM International Conference on Information and Knowledge Management, pp. 5331-5335. 2023.
- > Ran Xu, Yue Yu, Hejie Cui, Xuan Kan, Yanqiao Zhu, **Joyce Ho**, Chao Zhang, and Carl Yang. "Neighborhood-regularized self-training for learning with few labels." In: Proceedings of the AAAI Conference on Artificial Intelligence, vol. 37, no. 9, pp. 10611-10619. 2023.