Tom Tseng

Curriculum Vitae, May 2022 tom@tomhmtseng.com

Education	MASSACHUSETTS INSTITUTE OF TECHNOLOGY Ph.D. in Electrical Engineering and Computer Science, 2019–present S.M. in Electrical Engineering and Computer Science, 2019–2020
	CARNEGIE MELLON UNIVERSITY B.S. in Computer Science, minor in mathematics, 4.0/4.0 GPA, 2014–2018
Publications	Parallel Batch-Dynamic Minimum Spanning Forest and the Efficiency of Dy- namic Agglomerative Graph Clustering. Tom Tseng, Laxman Dhulipala, Julian Shun. SPAA 2022.
	Parallel Index-Based Structural Graph Clustering and Its Approximation. Tom Tseng, Laxman Dhulipala, Julian Shun. SIGMOD 2021.
	The Graph Based Benchmark Suite (GBBS). Laxman Dhulipala, Jessica Shi, Tom Tseng, Guy Blelloch, Julian Shun. GRADES- NDA 2020.
	Batch-Parallel Euler Tour Trees. Tom Tseng, Laxman Dhulipala, Guy Blelloch. ALENEX 2019.
Honors	MIT EECS departmental fellowship, 2019–2020 Alumni Award For Undergraduate Excellence for undergraduate thesis, 2018 Silver medal at ACM ICPC North American Invitational, 2017 Top 500 at William Lowell Putnam Mathematical Competition, 2015, 2016
Service	 PAPER REVIEWS Subreviewer for Euro-Par 2020, ESA 2020, HiPC 2020, IPDPS 2021, PPoPP 2022
	 MIT INTERNAL Graduate Student Council External Affairs Board, 2020-present Mentor for Office of Minority Education Mentor Advocate Partnership, 2020-2021 Vice president of academics and diversity for EECS Graduate Student Association, 2020 Mentor for EECS Graduate Application Assistance Program, 2020

	\circ Organizer for CSAIL Theory of Computation retreat, 2020
Teaching	TA, algorithm engineering (6.827 at MIT), 2022 TA, intro to theoretical computer science (15-251 at CMU), 2016–2017
Industry work	Software engineer at Gather, 2020–2021 Software engineer at Cruise, 2018–2019 Summer software intern at Jane Street (2017), Google (2016), Avvo (2015)
Coursework	GRADUATE LEVEL: Statistical Inference and Information, Machine Learning, Underactuated Robotics, Computer Vision, Advanced Algorithms, Computer Networks, Cryptography, Quantum Computation, Complexity Theory
	UNDERGRADUATE LEVEL: Programming Language Theory, Operating Systems, Parallel Architecture and Programming, Honors Real Analysis I, Honors Ab- stract Algebra I/II