

Tom Tseng

Curriculum Vitae, December 2020

tom@tomhmtseng.com

- Education** MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Ph.D. in Electrical Engineering and Computer Science, 2019–2025 expected
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** T. Tseng, L. Dhulipala, and J. Shun. Parallel index-based structural graph clustering and its approximation. In *Proceedings of the 2021 ACM SIGMOD International Conference on Management of Data*, 2021 (to appear)

L. Dhulipala, J. Shi, T. Tseng, G. E. Blelloch, and J. Shun. The Graph Based Benchmark Suite (GBBS). In *Proceedings of the 3rd Joint International Workshop on Graph Data Management Experiences & Systems and Network Data Analytics*, 2020

T. Tseng, L. Dhulipala, and G. E. Blelloch. Batch-parallel Euler tour trees. In *Proceedings of the Meeting on Algorithm Engineering and Experiments*, pages 92–106, 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
- Talks** ALENEX, 2019
- Service** PAPER REVIEWS
◦ Subreviewer for Euro-Par 2020, ESA 2020, HiPC 2020, IPDPS 2021

MIT INTERNAL
◦ 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

- Organizer for CSAIL Theory of Computation retreat, 2020

OTHER

- Mentor for a high school all-girls robotics team, 2019
- Advocacy chair for an Asian and Pacific Islander employee resource group in industry, 2018–2019
- Mentor at a low-income middle school, 2015
- Teaching assistant at a Chinese language school, 2011–2014

Teaching TA, intro to theoretical computer science (15-251 at CMU), 2016–2017

Industry work Software engineer at Cruise, 2018–2019
Summer software intern at Jane Street (2017), Google (2016), Avvo (2015)