Tyler Chen

chentyl@uw.edu http://chen.pw

Education

Research

Publications

New communication hiding conjugate gradient variants. **Tyler Chen**. In preparation. arxiv:1905.01579. 2019.

On the Convergence Rate of Variants of the Conjugate Gradient Algorithm in Finite Precision Arithmetic. Anne Greenbaum, Hexuan Liu, **Tyler Chen**. Submitted to SISC. arxiv:1905.05874. 2019.

Posters and Talks

Symmetric Preconditioner Refinement Using Low Rank Approximations. **Tyler Chen**. at Baidu Research. February 2019.

Teaching

TA, Probability And Statistics For Computational Finance (UW CFRM 410)	Winter 2019
TA, Calculus with Analytic Geometry I (UW MATH 124)	Autumn 2018
TA, Calculus with Analytic Geometry II (UW MATH 12)	Winter 2018
TA, Calculus with Analytic Geometry II (UW MATH 125)	Autumn 2017
Lab TA, Electronics (Tufts PHY 41)	Spring 2017
Lab TA, Electronics (Tufts PHY 41)	Spring 2016
Grader, Discrete Mathematics (Tufts MATH 61)	Spring 2016
Grader, Calculus III (Tufts MATH 42)	Fall 2015
Grader, Differential Equations (Tufts MATH 51)	Spring 2015

Grader, Calculus III (Tufts MATH 42)
Awards & Honors
Graduate Research Fellowship (NSF)
Outreach
Numerical Analysis Research Club
Organize and facilitate a discussion about mental health in grad school
Graduate Coursework
Randomized Algorithms and Probabilistic Analysis (UW CSE 525)
Professional
Tufts Conference and Events Services
Tisch Library Digital Design Studio