# **Tyler Chen**

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Lu	uu	au	UII

#### **Publications**

On the Convergence Rate of Variants of the Conjugate Gradient Algorithm in Finite Precision Arithmetic. Anne Greenbaum, Hexuan Liu, **Tyler Chen**. In preparation.

### **Posters and Talks**

Symmetric Preconditioner Refinement using Low Rank Approximations ...........February 2019 Baidu Research

### **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)	
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)	Fall 2014

## **Graduate Coursework**

Randomized Algorithms and Probabilistic Analysis (UW CSE 525)	Spring 2019
Optimization: Fundamentals and Applications (UW AMATH 515)	Winter 2019
Design and Analysis of Algorithms (UW CSE 521)	Autumn 2018
Numerical Analysis of Time Dependent Problems (UW AMATH 586)	Spring 2018
Inferring Structure of Complex Systems (UW AMATH 563)	Spring 2018
Numerical Analysis of Boundary Value Problems (UW AMATH 585)	Winter 2018
Advanced Stochastic Processes (UW AMATH 562)	Winter 2018
Networks and Combinatorial Optimization (UW AMATH 514)	
Applied Linear Algebra and Introductory Numerical Analysis (UW AMATH 584)	
Applied Complex Analysis (UW AMATH 567)	
Introduction to Probability and Random Processes (UW AMATH 561)	
Algebra 2 (Tufts MATH 216)	
Algebra 1 (Tufts MATH 215)	
Awards & Honors	
Top Scholar Fellowship (UW)	Fall 2017
The Audrey Butvay Gruss Science Award (Tufts)	April 2017
Phi Beta Kappa (Tufts)	April 2017
Sigma Pi Sigma Physics Honors Society (Tufts)	
The Howard Sample Prize Scholarship in Physics (Tufts)	April 2015
Dean's List (Tufts)	All Semesters
Professional	
Tufts Conference and Events Services	14 - August 2017
Reservations Manager, Registrar, Facilitator	4 - Hugust 201/
Oversee all housing reservations at Tufts University during the summer confere	ngo concon: Co
ordinate and assist clients with logistical details relating to conferences; perform overseeing and training new staff; schedule employee shifts (implemented a VBA automate much of this process); prepare individualized printed materials for upcon	supervisory role /excel system to
Tisch Library Digital Design Studio	2014 - Mau 2017
Student Supervisor	.017 May 201/
B. 'I . ' ' I	

Provide supervision to student workers; staff front desk at the Digital Design Studio; assist patrons with large format printing, recording, digitization equipment, and software.